# EPA Jacket 2749-587

# PROCESSING REQUEST

Reg#	2749-587	Decision #	544097
Descrip	tion: Label A	mendment - Correct	ing Use Rate Error
On Pag	ge 15 for Recer	ntly Registered Produ	ıct
		0	
Electro	nic Label & L (see PPLS):	etter OR La	on Electronic bel & Letter anning required):
☑ Da	ted: 9/11/20	Date Date	d:
	***On	ly one label type should be selecte	d***
			*
Other	Materials S	ent (see jacket):	
□ New	CSF(s) Dated:		
Othe	er:		
and clipped materials t jacket is fu	d together, NOT STA o staff in the Inforr Il or only available	ned materials in the jacket. APLED. Then give the jacket mation Services Center (ISC) as an image, please file mat or further information please	t with the coversheet and (Room S-4900). If a serials in a new jacket and
Reviewe	er: Michael Wa	lsh	
Division	: RD IVB2		
Phone	308_2972	Dat	e 9/12/2018



# UNITED TATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

September 11, 2018

Mr. John Wright, Agent Aceto Agricultural Chemicals Corporation c/o Product & Regulatory Associates, LLC 8595 Collier Boulevard, Suite 107-51 Naples, FL 34114

Subject: Label Amendment - Correcting Rate Error on Page 15 for Recently Registered Product

Product Name: Buprofezin 70WDG IGR EPA Registration Number: 2749-587 Application Date: September 11, 2018

Decision Number: 544097

#### Dear Mr. Wright:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

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with FIFRA section 6. If you have any questions, please contact me by phone at (703) 308-2972, or via email at walsh.michael@epa.gov.

Sincerely,

Michael Walsh Product Manager 11 Invertebrate & Vertebrate Branch 2 Registration Division

Office of Pesticide Programs

Attachment



## **Buprofezin 70WDG IGR**

Insect Growth Regulator for use on Bananas, Coffee, Citrus Fruits, Grapes, Olives, Pears, Asian Pears, Persimmon, Pistachios, Pome Fruit, Pomegranates, Stone Fruits, Tomatoes (greenhouse), Tree Nuts, Tropical Crops, Ornamentals (greenhouse and outdoor) and Christmas Trees.

**ACTIVE INGREDIENT:** 

% BY WT

Buprofezin: 2-tert-butylimino-3-isopropyl-5-phenyl-1,3,5-thiazinan-4-one......70.0% OTHER INGREDIENTS: 30.0%

Contains 0.70 lb. buprofezin per pound of product.

EPA Reg. No. 2749-587 EPA Est. No.

**Net Contents:** 

ACCEPTED 9/11/2018

Total

2749-587

Manufactured for: Aceto Agricultural Chemicals Corporation 4 Tri Harbor Court Port Washington, NY 11050

Read "LIMIT OF WARRANTY AND LIABILITY" before buying or using. If terms are not acceptable, return at once unopened.

# KEEP OUT OF REACH OF CHILDREN CAUTION

	FIRST AID
If swallowed	<ul> <li>Call poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
lf on skin or clothing	<ul> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
If inhaled	<ul> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth to-mouth, if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
If in eyes	<ul> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>

Have the product container or label with you when calling a poison control center or doctor or going for treatment. FOR EMERGENCY MEDICAL HELP, CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887.

NOTE TO PHYSICIAN: There is no specific antidote. All treatment should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred.

FOR CHEMICAL SPILL, LEAK, FIRE, EXPOSURE OR MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887.

See [inside booklet] [back panel] for [First Aid], [Precautionary Statements] [and] [Directions for use]



## CAUTION

Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before reuse.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

#### Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

#### STATEMENTS FOR CONTAMINATED PPE

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### **ENGINEERING CONTROLS**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

#### **USER SAFETY RECOMMENDATIONS**

Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing, As soon as possible, wash thoroughly and change clothing.

#### **ENVIRONMENTAL HAZARDS**

For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

#### **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that it will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.



Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), restricted-entry interval, and notification to workers.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

For early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, wear:

- Coveralls
- Waterproof gloves
- Shoes plus socks

#### NONAGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, or greenhouses. For other uses, including golf courses and other nonagricultural uses, do not enter treated areas without protective clothing until sprays have dried.

#### PRODUCT INFORMATION

This product is an insect growth regulator effective against the nymphal stages of whitefly, scales, psylla, mealybugs, planthoppers, and leafhoppers by inhibiting chitin biosynthesis, suppressing oviposition of adults, and reducing viability of eggs. This product is not an adulticide. Evidence of activity may be slower than typical contact insecticides as treated susceptible pests may remain alive on the plant for 3-7 days; however, pests have stopped feeding and any feeding damage during this time is typically very low.

This product is not disruptive to beneficial insects and mites.

This product is a contact insecticide, so through spray coverage is essential. Apply by ground or air in sufficient water volume. Orient nozzles to ensure good coverage. Use of higher volume of water will assure better coverage, especially under adverse conditions such as hot, dry weather, and/or a dense canopy. The entire field should be treated. Apply when economic infestations occur based on local information.

Not for Sale, Sale into, Distribution, and/or Use in Nassau and Suffolk Counties of New York State.

#### **INSECTS CONTROLLED**

whiteflies: ash whitefly, banded winged whitefly, greenhouse whitefly, silverleaf whitefly, sweet potato whitefly

**mealybugs:** apple mealybug, citrus mealybug, comstock mealybug, Gill's mealybug, grape mealybug, Iongtailed mealybug, madeira mealybug, Mexican mealybug, obscure mealybug, striped mealybug, vine mealybug

**leafhoppers and planthoppers:** brown planthopper, cherry leafhopper, Eastern grape leafhopper, glassy-winged sharpshooter, potato leafhopper, variegated leafhopper, Western grape leafhopper, white apple leafhopper

#### pear psylla

#### scales:

soft scales: barnacle scale, black scale, brown soft scale, citricola scale, European fruit lecanium scale, false oleander scale, frosted scale, hemispherical scale, Indian wax scale and other wax scales, tessellated scale, white peach scale

<u>armored scales:</u> boisduval scale, cactus scale, California red scale, coconut scale, fern scale, Florida red scale, oystershell scale, San Jose scale, walnut scale

margarodid scale: cottony cushion scale

#### **USE RESTRICTIONS**

- This product is not for sale, sale into, distribution, and or use in Nassau and Suffolk counties of New York state.
- · Do not apply this product through any type of irrigation system.
- Use of this product in residential areas is prohibited.

#### Crop Rotational Restrictions:

CROP	PLANTBACK TIMING	
All crops registered for use with buprofezin	0 days following application	
Cereal grains	30 days following application	
All other crops	60 days following application	

#### **USE PRECAUTIONS**

- Apply in a minimum finished spray volume of 5 gallons per acre by air. For gallonage per acre by ground, refer to Application Instruction section.
- Phytotoxicity may occur in Asian Pear varieties, normally limited to applications made prior to petal fall.

#### RESISTANCE MANAGEMENT

For resistance management, this product contains a Group 16 insecticide. Any insecticide population may contain individuals naturally resistant to this product and other Group 16 insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay insecticide/acaricide resistance, take the following steps:

- Rotate the use of this product or other Group 16 insecticides within a growing season, or among growing seasons, with different groups that control the same pests.
- Use tank mixtures with insecticides from a different group that are equally effective on the target
  pest when such use is permitted. Do not rely on the same mixture repeatedly for the same pest
  population. Consider any known cross-resistance issues (for the targeted pests) between the
  individual components of a mixture. In addition, consider the following recommendations provided
  by the Insecticide Resistance Action Committee (IRAC):
  - Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
  - Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
  - When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
  - Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
  - The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated pest management program for insecticide/acaricide use that includes scouting, uses historical information related to pesticide use crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If level of survival suggests the
  presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in

your area.

 For further information or to report suspected resistance contact Aceto representatives at 516-627-6000.

See specific crop Use Directions for maximum single application rate, annual maximum number of applications and amount of active ingredient.

#### APPLICATION DIRECTIONS

Applications should be made immediately after the spray solution is prepared. Thorough spray coverage is essential for effective control. Applications may be made with high or low volume spray equipment that provides thorough coverage of the plant. Apply with properly calibrated spray equipment. For best results, apply when pest populations are beginning to build, before reaching economic thresholds.

Consult your local agricultural advisor, or state cooperative extension service for guidance.

#### **MIXING DIRECTIONS**

Keep agitation running during filling and spraying operations. If spraying must be stopped before emptying the sprayer, resume agitation before spraying the remainder of the load. Mix only as much spray solution as can be sprayed within four hours. Storage and use of the previous day's spray mix may result in reduced activity.

THIS PRODUCT ALONE: Fill spray tank with ¾ of the amount of water needed for the intended application and then turn on agitation. Pour recommended amount of product on the surface of water in the spray tank. Add the balance of the water to the spray tank with agitation running.

THIS PRODUCT TANK MIXTURES: Begin with clean equipment. Fill spray tank with ¾ of the amount of water needed for the intended application and turn on agitation. If using a buffering agent, add after filling the tank with ¾ amount of water. Do not use oil as carrier or include other additives in the finished spray.

Add the recommended amount of tankmix products in the following order while maintaining agitation:

- 1. Products in water soluble packets
- 2. Wettable powders
- 3. Water-dispersible granulars and/or soluble powders
- 4. Flowable liquids
- 5. Emulsifiable concentrates
- Adjuvants and/or oils
- 7. Remaining amount of water to achieve the desired level

Note: It is recommended that the compatibility of this product in any tankmix combination be tested before use. To determine the physical compatibility with other products, use a jar test, as described below:

Using a quart (qt) jar, add the proportionate amounts of the products to 1 qt. of water. Add wettable powders and water-dispersible granular products first, then flowable liquids, and emulsifiable concentrates last. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed readily, it is physically compatible. Once compatibility has been proven, use the same procedure to adding required ingredients to the spray tank.

Read and follow all label direction for each tankmix product. Always use in accordance with the most restrictive of label precautions and limitations.

#### SPRAY DRIFT REDUCTION MANAGEMENT

Do not apply when wind speed favors drift beyond the area intended for treatment. The interaction of many equipment and weather-related factors determine the potential for spray drift. The applicator is responsible for considering all of these factors when making application decisions. Avoiding spray drift is the responsibility of the applicator.

#### Importance of Droplet Size:

An important factor influencing drift is droplet size. Small droplets (<150 - 200 microns) drift to a greater extent than large droplets. Within typical equipment specifications, applications should be made to deliver the largest droplet spectrum that provides sufficient control and coverage. Use only Medium or coarser spray nozzles (for ground and non-ULV aerial application) according to ASAE (S572) definition for standard

nozzles. In conditions of low numidity and high temperatures, applicators should use a coarser droplet size.

**Ground Applications:** 

Wind speed must be measured adjacent to the application site on the upwind side, immediately prior to application. For ground boom applications, apply using a nozzle height of no more than 4 feet above the ground or crop canopy. For airblast applications, turn off outward pointing nozzles at row ends and when spraying the outer two (2) rows. To minimize spray loss over the top in orchard applications, spray must be directed into the canopy.

#### **Aerial Applications:**

The spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used and must not exceed 75% of the wingspan or 80% rotor diameter. Flight speed and nozzle orientation must be considered in determining droplet size. Spray must be released at the lowest height consistent with pest control and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety. When applications are made with a cross-wind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind. Making applications at the lowest height that is safe reduces the exposure of the droplets to evaporation and wind.

#### Wind Speed Restrictions:

Drift potential increases at wind velocities of less than 3 mph (due to inversion potential) or more than 10 mph. However, many factors, including droplet size, canopy and equipment specifications determine drift potential at any given wind speed. Only apply this product if the wind direction favors on-target deposition. Do not apply when wind velocity exceeds 15 mph and avoid gusty and windless conditions. Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.

#### **Restrictions During Temperature Inversions:**

Do not make ground applications during temperature inversions. Drift potential is high during temperature inversions. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by stable air and increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by mist or ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source. Smoke that layers and moves laterally near the ground surface in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical mixing.

The use rate for this product is expressed in terms of the oz. of this product per acre, lb. of this product per acre and lb. ai/acre.

The pre-harvest interval (PHI) is the required number of days between the last application of this product and the harvesting of the crop.

The application spray volume is expressed as the number of gallons of liquid applied per acre (GPA).

#### Bananas

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
leafhoppers mealybugs scales whiteflies	7.0	0.438 (0.31)	Apply by ground application using a minimum of 15 gallons of water per acre.  For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.
			RECOMMENDATIONS     Treatments should be applied when population level reaches economic threshold. Consult local or

	state agricultural authorities for details.  Through spray coverage is essential. Use of a higher volume of spray will ensure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.
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#### Restrictions:

Do not apply more than 4 applications per growing season.

The minimum spray interval is 14 days.

Do not use more than 27 oz. of this product per acre per growing season (1.18 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 1 day.

Citrus Fruits (Crop Group 10) calamondin; citrus; citron; citrus hybrids (including chironja, tangelo, tangor); clementine; grapefruit; kumquat; lemon; lime; mandarin; orange, sour; orange, sweet; pummelo; satsuma mandarin; tangerine.

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
black scales California red scale citricola scale cottony cushion scale glassy-winged sharpshooter mealybugs wax scale	34.5 – 46.0	2.156 - 2.875 (1.5 - 2.0)	Apply by ground application using a minimum spray solution of 500 gallons of water per acre.  Apply with sufficient water volume according to tree size. Thorough spray coverage of the fruit, foliage, and wood is essential for maximum results.  When using the minimum water volume, trees must not exceed 10 feet tall, tree canopy must be opened up, and tractor speed must not exceed 1.5 miles per hour.  For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.  RECOMMENDATIONS  • red scale: Applications should begin at early crawler emergence.  • citricola scale: Apply after complete crawler hatch. Spring applications can provide suppression and minimize honeydew accumulation.  • cottony cushion scale: Applications should occur after complete crawler hatch.  • all other pests: Applications should be made when early crawler emergence occurs  • Through spray coverage is essential.

#### Restrictions:

Do not apply more than 2 applications per growing season.

The minimum spray interval is 60 days.

Do not use more than 92.0 oz. of this product per acre per growing season (4.0 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 3 days.

# Citrus Fruits (Crop Group 10) (Texas & Florida Only) calamondin; citrus; citron; citrus hybrids (including chironja, tangelo, tangor); clementine; grapefruit; kumquat; lemon; lime; mandarin; orange, sour; orange, sweet; pummelo; satsuma mandarin; tangerine.

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
soft scales armored scales	34.5 – 46.0	2.156 - 2.875 (1.5 - 2.0)	Apply by ground application using a minimum of 250 gallons of water per acre.  For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.  RECOMMENDATIONS  Thorough coverage is essential for optimum control.  Choice of water volume should be based on tree canopy size and location of the scale insect within the tree canopy.  Applications should be made at beginning of crawler hatch and emergence.

#### Restrictions:

#### Limited to Florida and Texas Only

Do not apply more than 2 applications per growing season.

The minimum spray interval is 60 days.

Do not use more than 92.0 oz. of this product per acre per growing season (4.0 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 3 days.

#### Coffee

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	· Application Instructions
mealybugs scales	23.0	1.43 (1.0)	Apply by ground application using a minimum of 50 gallons of water per acre.  For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.  RECOMMENDATIONS  Apply when population level reaches economic threshold.  Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.

#### Restrictions:

Do not apply more than 4 applications per growing season.

The minimum spray interval is 14 days.

Do not use more than 92.0 oz. of this product per acre per growing season (4.0 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 0 day.

Grapes

Pest	Rate oz./acre	Rate of This Product Ib./acre (lb. ai/acre)	Application Instructions
European fruit lecanium scale	12.0	0.75 (0.53)	Apply by ground application using a minimum of 50 gallons of water per acre. Water volumes should be adjusted based on the size of the grape canopy. Higher water volumes should be used for dense canopies.  For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.  RECOMMENDATIONS  • leafhoppers, apply when majority of the population is at early nymphal stage.  • mealybugs, begin applications at early crawler emergence. Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will ensure better coverage especially under
leafhopper mealybugs	9.0 – 12.0	0.56 - 0.75 (0.4 - 0.53)	adverse conditions, such as hot, dry weather and/or a dense canopy.

#### Restrictions:

Do not apply more than 2 applications per growing season.

The minimum spray interval is 14 days.

Do not use more than 24.0 oz. of this product per acre per growing season (1.05 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 7 days.

mealybugs			Apply by ground application using a minimum of 50
of Mandage of the Control of the Co	24.0	1.5 (1.05)	gallons of water per acre. Water volumes should be adjusted based on the size of the grape canopy. Higher water volumes should be used for dense canopy.
			For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.
			RECOMMENDATIONS
			<ul> <li>mealybugs, begin applications at early crawler emergence.</li> </ul>
			<ul> <li>Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a</li> </ul>

#### Restrictions:

#### Limited to Arizona and California Only

Do not use more than 24.0 oz. of this product per acre per growing season (1.05 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 30 days.

#### Olives

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
scales	34.5 – 46.0	2.156 - 2.875 (1.5 – 2.0)	Apply by ground application using 110 to 500 per acre spray volume. Apply in sufficient water volumes to provide adequate coverage for tree size. Through coverage is critical for adequate control.  For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.  RECOMMENDATIONS  • black scale: Applications should occur after complete crawler hatch.  • all other scales: Apply at early crawler emergence.  • Thorough spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.

#### Restrictions:

Do not apply more than 2 applications per growing season.

The minimum spray interval is 50 days.

Do not use more than 92.0 oz. of this product per acre per growing season (4.0 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 21 days.

Pears pear; Asian pear

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
mealybugs pear psylla scales	34.5 – 46.0	2.156 - 2.875 (1.5 – 2.0)	Apply by ground application using a minimum of 80 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.  RECOMMENDATIONS  • pear psylla, for best results of controlling 1st and 2nd instars, apply pre-bloom or at petal fall. In-season, apply when smaller pear psylla nymphs are present. Tank mix with adulticide for optimum control.  • mealybugs or San Jose scale, apply pre-bloom or at first crawler emergence.  • other scales, apply at early crawler emergence.  • Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.  • Phytotoxicity may occur in Asian pear

varieties but is normally limited to applications made prior to petal fall.

#### Restrictions:

Do not apply more than 2 applications per growing season.

The minimum spray interval is 7 days.

Do not use more than 69.0 oz. of this product per acre per growing season (3.0 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 14 days.

#### Persimmons

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
mealybugs soft scales European fruit ecanium scales rosted scale	34.5	2.156 (1.5)	Apply by ground application using a minimum of 100 gallons of water per acre.  For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.  RECOMMENDATIONS  • mealybugs, apply at beginning of crawler emergence. This product is most effective on early developmental stage of mealybugs.  • scales, apply a beginning of crawler emergence of the scale generation being targeted.  Good spray coverage is essential.

#### Restrictions:

Do not apply more than 2 applications per growing season.

The minimum spray interval is 14 days.

Do not use more than 69.0 oz. of this product per acre per growing season (3.0 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 14 days.

Pome Fruits (Crop Group 11-10) except pear and Asian pear (see separate directions for pear and Asian pear) apple, azarole, crabapple, loquat, mayhaw, medlar, quince, Chinese quince, Japanese quince, tejocote; cultivars, varieties, and/or hybrids of these.

Pest Rate Rate of This **Application Instructions** Product oz./acre lb./acre (lb. ai/acre) leafhoppers Apply by ground application using a minimum of 80 9.0 - 12.0 0.56 - 0.75gallons of water per acre. For low-volume sprayers, (0.4 - 0.53)use a minimum of 20 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre. RECOMMENDATIONS San Jose scale, apply at dormant, delayed dormant, pre- bloom or in-season at early crawler emergence. other scales, apply at early crawler emergence. mealybugs, apply at dormant, delayed

			dormant to petal fall when nymphs are present. Apply in-season at early crawler emergence.  Through spray coverage is essential
mealybugs scales	34.5	2.156 (1.5)	

#### Restrictions:

Do not apply more than 1 application per growing season.

Do not use more than 34.5 oz. of this product per acre per growing season (1.5 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 14 days.

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
whiteflies	12 .0- 34.5	0.75 - 2.156 (0.53 - 1.5)	Apply by ground application using a minimum of 50 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.  RECOMMENDATIONS  • brown soft scale, apply at dormant timing targeting the overwintering population or at crawlier emergence during the summer.  • San Jose scale, apply at dormant, delayed dormant, pre- bloom or in-season at early crawler emergence.  • whiteflies, apply at early nymph threshold,  • other scales, apply at early crawler emergence.  • mealybugs, apply when early crawler emergence occurs.  • Thorough spray coverage is essential.
mealybugs scales	34.5 – 46.0	2.16 – 2.875 (1.5 – 2.0)	

#### Restrictions:

Do not apply more than 2 applications per growing season.

The minimum spray interval is 14 days.

Do not use more than 69.0 oz. of this product per acre per growing season (3.0 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 14 days.

Stone Fruits (Crop Group 12) apricot, sweet cherry, tart cherry, nectarines, peach, plum,

chickasaw plum, damson plum, Japanese plum, plumcot, prunes (fresh).

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
mealybugs scales	34.5	2.156 (1.5)	Apply by ground application using a minimum of 50 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.  RECOMMENDATIONS  San Jose scale, apply at dormant, delayed dormant, pre- bloom when scale is in the black cap stage or in-season at early crawler emergence.  other scales, apply at early crawler emergence.  mealybugs, apply when early crawler emergence occurs.  Thorough spray coverage is essential.

#### Restrictions:

Do not apply more than 2 applications per growing season.

The minimum spray interval is 14 days.

Do not use more than 69.0 oz. of this product per acre per growing season (3.0 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 14 days.

Tree Nuts (Crop Group 14) Plus Pistachios: almonds, beechnuts, Brazil nuts, butternuts, cashews, chestnuts, chinquapins, filberts, hickory nuts, macadamia nuts, pecans, walnuts

{black and English} and pistachios.

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
mealybugs scales	34.5 – 46.0	2.156 - 2.875 (1.5 - 2.0)	Apply by ground application using a minimum of 100 gallons of water per acre.  For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.  RECOMMENDATIONS  San Jose scale, application can be made at dormant, delayed dormant, pre- bloom when scale is in the black cap stage or inseason at early crawler emergence.  other scales, apply at early crawler emergence or when scales are of a susceptible early nymphal stage.  mealybugs, Application should be made when early crawler emergence occurs.  Thorough spray coverage is essential.

#### Restrictions:

Do not apply more than 1 application per growing season.

Do not use more than 46.0 oz. of this product per acre per growing season (2.0 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 60 days.

Tomatoes (Greenhouse Only)

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
leafhopper mealybugs planthoppers	9.0	0.56 (0.4)	For greenhouse tomatoes, apply by ground on 2 acreminimum with 20 gallons of water per acre.  RECOMMENDATIONS  • Apply when populations level reaches economic threshold. Consult local and state agricultural authorities for specific details.  • Good spray coverage is essential.
whiteflies	6.0 - 9.0	0.38 - 0.56 (0.26 - 0.4)	<ul> <li>Apply in sufficient water to obtain complete coverage of all plant parts.</li> <li>Applications may be made with high volume, low volume or ultra-low volume (thermal and non-thermal foggers, misters, etc.) ground equipment only. Follow the spray equipment manufacturer's directions to determine the amount of spray solution required to obtain thorough coverage. Consult the spray equipment manufacturer's operator's manual, spray nozzle catalogs and/or your crop advisor for more information.</li> </ul>

#### Restrictions:

Do not apply more than 2 applications per growing cycle.

The minimum spray interval is 5 days.

Do not use more than 18.0 oz. of this product per acre per growing cycle (0.8 lb. a.i. per acre) per growing cycle.

Pre-Harvest Interval (PHI) is 1 day.

Tropical Crops; acerola, atemoya, avocado, binda, chermoya, custard apple, feijoa, guava, ilama,

jaboticaba, passion fruit, soursop, starfruit, sugar apple and wax jambu.

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
scales	34.5	2.156 (1.5)	Apply by ground application using a minimum of 20 gallons of water per acre.  For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.  RECOMMENDATIONS  • scale and mealybugs, begin applications at early crawler emergence.  • Good spray coverage is essential.
leafhoppers mealybugs whiteflies	9. 0 - 12.0	0.56 - 0.75 (0.4 - 0.53)	

#### Restrictions:

#### Limited to Florida, Hawaii and Puerto

Do not apply more than 2 applications per growing season.

The minimum spray interval is 14 days.

Do not use more than 69.0 oz. of this product per acre per growing season (3.0 lb. a.i. per acre per growing season).

## Tropical Crops; black sapote, canistel, mamey sapote, mango, papaya, sapodilia, star apple.

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
leafhoppers mealybugs scales whiteflies	9. 0 - 12.0	0.56 - 0.75 (0.40 - 0.53)	Apply by ground application using a minimum of 20 gallons of water per acre.  For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.  RECOMMENDATIONS  • mealybugs and scales, apply at early crawler emergence for best control.  • Good spray coverage is essential.

#### Restrictions:

#### Limited to Florida, Hawaii and Puerto

Do not apply more than 5 applications per growing season.

The minimum spray interval is 14 days.

Do not use more than 45 oz. of this product per acre per growing season (1.97 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 3 days.

Tropical Crops; longan, pulasan, rambutan, Spanish lime.

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
scales	34.5	2.156 (1.5)	Apply by ground application using a minimum of 75 gallons per acre spray volume.  For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.

#### Restrictions:

Do not apply more than 2 applications per growing season.

The minimum spray interval is 14 days.

Do not use more than 69.0 oz. of this product per acre per growing season (3.0 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 21 days.

Ornamental Plants in greenhouses; lath and shadehouses; nurseries; landscape ornamentals; ground covers; field-and container-grown ornamentals; non-bearing fruit and nut trees and vines in nurseries; Christmas trees.

Pest	Rate oz./acre	Rate of This Product Ib./acre (lb. ai/acre)	Application Instructions
leafhoppers mealybugs planthoppers	12.0	0.75 (0.53)	RECOMMENDATIONS For best results, apply when population level reaches economic threshold. Apply in sufficient water to obtain complete, uniform coverage of all plant parts including stems and underside of leaves. Spray to point of runoff. Applications may be made with high volume, low volume or ultra-low volume (thermal and non-thermal foggers, misters, etc.) ground equipment only. Follow the spray equipment manufacturer's directions to determine the amount of spray solution

			required to obtain morough coverage. Consult the spray equipment manufacturer's operator's manual, spray nozzle catalogs and/or your crop advisor for more information.
scales	14.0	0.88 (0.61)	whiteflies, leafhoppers or planthopper, apply as soon as adult insects begin to appear.     scales, apply at early crawler emergence.     mealybugs, apply as soon as insect
whiteflies	6.0	0.38 (0.26)	activity is observed.  Good spray coverage is essential.  If additional insecticide applications are required for control, use another class of chemistry or a different Insect Growth Regulator (IGR) with a different mode of action before making subsequent applications of buprofezin.  Consult local and state agricultural authorities for specific details.

#### Restrictions:

Do not apply this product in residential areas.

Do not apply more than 2 applications per growing season.

Do not use more than 28.0 oz. of this product per acre per growing season (1.22 lb. a.i. per acre per growing season).

#### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

PESTICIDE STORAGE: Store in original container in a cool, dry and secure location.
PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed on site or at an approved waste disposal facility.

[Plastic bottle packaging:]

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

[Fiber Drums with Liners:]

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into the handling or application equipment. Then offer for recycling if available, or dispose of liner in a sanitary landfill, or by incineration, or by burning, if allowed by state and local authorities. If burned, stay out of smoke. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

Datch Code.	Batch	Code:	
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#### **WARRANTY DISCLAIMER AND NOTICE**

#### IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS**: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Aceto Agricultural Chemicals Corporation. To the extent consistent with applicable law all such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, ACETO AGRICULTURAL CHEMICALS CORPORATION MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Aceto Agricultural Chemicals Corporation is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, ACETO AGRICULTURAL CHEMICALS CORPORATION DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

**LIMITATIONS OF LIABILITY**: To the extent consistent with applicable law, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT ACETO AGRICULTURAL CHEMICALS CORPORATION'S ELECTION, THE REPLACEMENT OF PRODUCT.

All trademarks are proprietary of their respective owners.

[Made in [Japan][China] [packaged in USA]. [Active ingredient made [and formulated] in [Japan][China], [formulated in USA] [and] [package in USA]].

# Product & Regulatory Associates, L.L.C.

September 11, 2018

Mr. Michael Walsh (PM-11)
Document Processing Desk (AMEND)
Office of Pesticide Programs (7504C)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501

Subject: Buprofezin 70WDG IGR EPA Reg. No.2749-587

Application for Pesticide Amendment
Fast Track Label Amendment without data.

Dear Mr. Walsh:

Aceto Agricultural Chemicals Corporation (Aceto) is submitting an application for a fast track label amendment to correct a use rate typo.

On page 15 of the enclosed label, the use rate for Tropical Crops; black sapote canistel, mamey sapote mango, papaya, sapodilia, star apple indicated the Rate of This Product (lb. ai/acre) as (04. -0.53). The correct value is (0.40 - 0.53).

Besides adding the EPA Reg. No. 2749-587, no other changes were made to this label.

To complete this registration amendment application, enclosed please find:

- Cover letter
- Application for Pesticide Registration (EPA Form 8750-1)
- 002749-00587.20180911.Buprofezin 70WDG IGR Amendment.pdf

If you have any question in regard to this matter, feel free to contact me at (609) 841-8288 or JWrightCH@comcast.net.

Sincerely,

John F. Wright

Authorized Representative of Aceto Agricultural Chemicals Corporation

cc: Terry Kippley, Aceto

8595 Collier Blvd.

Suite 107-51

Telephone: 609.841.8288

0	FRA
- 22	

Please read instructions on reverse before co

	Registration
/	Registration Amendment
	Other

OPP Identifier Number

<b>\$EPA</b>	Environmental Prote Washington, DO		1	Amenda Other		
	Applic	ation for Pestic	de - Section	ı		
1. Company/Product Number 2749-587	or.		Product Manager nel Walsh	¥		oposed Classification
4. Company/Product (Name Buprofezin 70WDG IG		PM# 11	1.75.74771			Jitolio Nasaloloo
5. Name and Address of Ap Aceto Agricultural Ch 4 Tri Harbor Court Port Washington, NY	nemicals Corporation	(b)(i), i to: EPA		ilar or identi	cal in co	FIFRA Section 3(c)(3) mposition and labeling
		Section -				
Amendment - Explain Resubmission in result Notification - Explain	ponse to Agency letter dated		Final printed label Agency letter dat "Me Too" Application  Other - Explain be	ted ation.	to	
Application for Pesticide Am	endment, Fast Track Label Amen			is.		
7 J T T T T T T T T T T T T T T T T T T		Section -	161			
1. Material This Product Wi Child-Resistant Packaging Yes No * Cartification must be submitted	Unit Packaging  Yes  No  If "Yes"  Unit Packaging wgt.		Packaging No. per container	2. Type of	Container  Metal Plastic Glass Paper Other (S	
3. Location of Net Contents	Information 4. Size(a	) Retail Container	5. Lo	ocation of Lab On conta		ons
6. Manner in Which Label is	Affixed to Product	ithograph aper glued itenciled	Other			
25		Section - I	V			
1. Contact Point (Complete	items directly below for identif	ication of individual to l	e contacted, if nec	essary, to pro	cess this	application.)
Name John F. Wright		Title Authorized Rep	resentative Aceto		Telephon 609.841.	e No. (Include Area Code) 8288
	ements I have made on this form ny knowlinglly false or misleadin					6. Date Application Received (Stamped)
2. Signature	HWright	3. Title Authorized Repre	sentative Aceto Agric	culturalChemic	calsCorp	s#1024570
4. Typed Name John F. Wright			5. Data 9/11/18			22

## Walsh, Michael

From:

Walsh, Michael

Sent:

Wednesday, September 12, 2018 3:01 PM

To:

'John Wright'

Cc: Subject: Rate, Debra

2749-587. Corrective Label Amendment & Registration Document.

**Attachments:** 

2749-587-20180907.pdf; 2749-587-20180911.pdf

Hi John.

Attached please find the new product registration from last Friday and the corrective label amendment processed yesterday.

To avoid any issues, please be sure that the corrected label is used for the marketed product.

Thanks.

Mike

#### Walsh, Michael

From: Sent: John Wright <jwrightch@comcast.net> Tuesday, September 11, 2018 9:17 AM

To:

Walsh, Michael

Subject: Attachments: RE: EPA Reg. No. 2749-587 FW: CDX PSP Package Transmitted to OPP

002749-00587.20180911.Bufprfezin70WDG IGR Amendment.pdf; 2749-587 Cover Letter

Buprofezin 70WDG 11Sept18.pdf; 8570-1 2749-587 Buprofezin 70WDG 11Sept18.pdf

Here they are.

How long will be out? I hope you enjoy the time off.

From: Walsh, Michael <Walsh.Michael@epa.gov> Sent: Tuesday, September 11, 2018 9:04 AM To: john Wright <jwrightch@comcast.net>

Subject: RE: EPA Reg. No. 2749-587 FW: CDX PSP Package Transmitted to OPP

I am going on vacation. Tomorrow is my last day in the office. Please send copies to me via email, if that is acceptable to you. Thanks.

From: John Wright [mailto:jwrightch@comcast.net]

Sent: Tuesday, September 11, 2018 9:03 AM

To: Walsh, Michael < Walsh. Michael@epa.gov >; Rate, Debra < Rate. Debra@epa.gov >

Subject: EPA Reg. No. 2749-587 FW: CDX PSP Package Transmitted to OPP

I just sent in the requested amended label via CDX PSP.

Do you need copies of the document sent directly to you or will this notice be sufficient? Please let me know.

**Thanks** 

From: helpdesk@epacdx.net < helpdesk@epacdx.net >

Sent: Tuesday, September 11, 2018 8:57 AM

To: jwrightch@comcast.net

Subject: CDX PSP Package Transmitted to OPP

Your PSP package (Buprofezin 70WDG IGR EPA Reg. No. 2749-587) for ACETO AGRICULTURAL CHEMICALS CORP. (2749) has been successfully transmitted to OPP.

Below are the application(s) included in this package and their tracking number(s):

Sec3-Amend-000001: CDX\_2018\_006939

Company Name: ACETO AGRICULTURAL CHEMICALS CORP.

Company Number: 2749

If you have questions concerning this message, you may contact the CDX Help Desk by email at <a href="https://help.net.or.net.or">help.desk@epacdx.net</a> or by calling the CDX Technical Support Staff through our toll free telephone support on (888) 890-1995 between Monday through Friday from 8:00 am to 6:00 pm EST/EDT. For International callers, the CDX Help Desk can also be reached at (970) 494-5500.

CDX Homepage https://cdx.epa.gov

United States Environmental Protection Agency - Central Data Exchange

Receipt for Section 3.  St. 1024970 Milesto. Email Regulatory Type. (Product Registration - Section 3.  Application Type. (Amendment.)  Companyo 2749 ACETO AGRICULTURAL	Resubmission Fee For Service Billab	in Yes O No	Print Letter  Enter More Information  Tracking
Risk Manager: Registration Division, Risk Manager  1 Product Name: E  Optimide#  Me Too Me Tod Product Name: Name:	JUPROFEZIN 70W6G IGR		
FES Due Date: 10 Dec 2018 p	OFF Recvd Date: 11-Sep-2018 Manager Send Date: 11-Sep-2018 Nagotiated Due Date:	Receipt Co	
Portal submission pkg. #32225. Fast track amend		New Ingredient Request Date New Ingredient Received Date  Signature Date	

# PROCESSING REQUEST

Reg # 27	749-587	Decision #	540519
Description	on: New Product	Registration -	- 100% Repack
	c <b>Label &amp; Letter</b> ee PPLS):	OR L	on Electronic abel & Letter canning required):
■ Date	d: 9/7/2018	□ Date	ed:
	***Only one lab	oel type should be select	ed***
1.0000 stellandermer settle mateur. 10 order	Taterials Sent	(see jacket):	
Other:			
and clipped to materials to st jacket is full o	gether, NOT STAPLED. aff in the Information S	Then give the jacke Services Center (ISC nage, please file ma	It must be well organized et with the coversheet and C) (Room S-4900). If a sterials in a new jacket and e call 703-605-0716.
Reviewer:	Michael Walsh		
Division:	RD IVB2		
Phone:	308-2972	Da	te: 9/7/2018



#### U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs Registration Division (7505P) 1200 Pennsylvania Ave., N.W. Washington, D.C. 20460

EPA	Reg.	Nu	mb	er:

Date of Issuance:

2749-587

9/7/18

#### NOTICE OF PESTICIDE:

X Registration
Reregistration
(under FIFRA, as amended)

Term of Issuance:
Unconditional

Name of Pesticide Product:

Buprofezin 70WDG IGR

Name and Address of Registrant (include ZIP Code):

Aceto Agricultural Chemicals Corp. 4 Tri Harbor Court Port Washington, NY 11050 c/o Mr. John Wright

Agent for Aceto Agricultural Chemicals Corp. Product & Regulatory Associates, LLC 8595 Collier Boulevard, Suite 107-51 Naples, FL 34114

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

- 1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.
- 2. Make the following label change before you release the product for shipment:
  - Revise the EPA Registration Number to read, "EPA Reg. No. 2749-587."

Signature of Approving Official:	Date:	
Ble -		
	9/7/18	
Michael Walsh, Product Manager 11 (7505P)		
Invertebrate & Vertebrate Branch 2, Registration Division		
		_

3. Submit one copy of the revised final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSF:

Basic CSF dated 7/1/2018

If you have any questions, please contact Michael Walsh by phone at (703) 308-2972, or via email at walsh.michael@epa.gov.

Attachment

NOTE TO: FILE

FROM: MICHAEL WASA, PMII OF RE: 100% REFACK; BUPROFERIN

- AGONT JOHN WRIGHT
- 75-DAY LETTER FOR LABBRANG & CSF,
  MULTEPLE CORRECTIONS & RESUBMISSIONS
- PRD CONFIRMED STATUS OF REVERENCE.
- A SIGNIFFEANT AMOUNT OF TIME WAS SPONT ON THUS ACTION

\*Product ingredient source information may be entitled to confidential treatment\*

## Walsh, Michael

From:

Biggio, Patricia

Sent:

Thursday, September 06, 2018 4:15 PM

To:

Walsh, Michael Rate, Debra

Cc: Subject:

RE: Buprofezin reg review status. GDCI-275100-1234.

Hi Mike, Debra -

Data has been submitted for all of the data requirements, but I don't have all the DERs yet so I am not sure if it is all acceptable. I will let you know what I find out. I do not believe we plan to request additional data, although who is to say that the registrant will not provide some in light of the risk assessments.

On a side note, we are planning to mitigate for the aerial risks. Would like to get together and discuss?

Also, we may be sending RD some labels with language similar to what some is proposing to get your thoughts.

-Trish

From: Walsh, Michael

Sent: Thursday, September 6, 2018 3:47 PM To: Biggio, Patricia <br/>
<br/>
Siggio.patricia@epa.gov> Cc: Rate, Debra < Rate. Debra@epa.gov>

Subject: Buprofezin reg review status. GDCI-275100-1234.

Hi Trish.

Looking forward to hearing back from you later today, but I did want to put my questions in writing, so that you can more easily respond.

- Have all the data requirements been fulfilled?
- 2) Was all of the submitted data acceptable?
- 3) Do you plan to request any additional data?

Please let me know.

Thank you for your help.

Mike

+ NO ADDITIONAL DATA REGUESTS
PLANNED. = UNCONDITIONAL RESISTANTEN

#### Walsh, Michael

From:

John Wright <jwrightch@comcast.net>

Sent: To: Friday, September 07, 2018 9:26 AM

To: Cc: Walsh, Michael Rate, Debra

Subject:

RE: almost there...a few more comments. RE: 2749-LIT. Label Comments.

Attachments:

002749-00LIT.20180907.Bufprfezin70WDG IGR Proposed.pdf

Here are the changes. Let me know if you need anything else here.

LABEL RESUBMISSION ON 9/7/18

From: Walsh, Michael < Walsh. Michael@epa.gov>

Sent: Friday, September 7, 2018 6:25 AM
To: john Wright < jwrightch@comcast.net>
Cc: Rate, Debra < Rate.Debra@epa.gov>

Subject: almost there...a few more comments. RE: 2749-LIT. Label Comments.

Dear Mr. Wright:

Please see the attached label for additional label comments.

Please make no changes to the label other than those specified in the attached document.

If possible, I would like to complete my review of this action in the next day or so.

Thank you for your prompt attention to this matter.

PM LABEL COMMENTS

Mike.

SUBMESSIEN #1024501

From: Walsh, Michael

Sent: Thursday, September 06, 2018 5:39 PM
To: 'John Wright' < iwrightch@comcast.net >
Cc: Rate, Debra < Rate.Debra@epa.gov >
Subject: 2749-LIT. Label Comments.

Dear Mr. Wright:

Attached please find the most recent set of label comments.

Please thoroughly check and address the comment.

Since we are in the process of working toward finalizing the label, please make no changes to the label, other than those specified in the attachment.

Please note that I am out of the office on Monday, and hope to complete this action in the next day or two.

Thank you for your prompt attention to this matter.

Mike

# PRECAUTIONARY STATEMENTS Hazards to Humans and Domestic

## CAUTION

Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling, and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before reuse.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

#### Applicators and other handlers must wear:

- · Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

#### STATEMENTS FOR CONTAMINATED PPE

Follow manufact instructions for cleaning/maintaining PPE. If no such instructic washables exists detergent and hot water. Keep and wash PPE separately from laundry.

#### **ENGINEERING CONTROLS**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

#### **USER SAFETY RECOMMENDATIONS**

Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves removing, As soon as possible, wash thoroughly and change clothing.

#### **ENVIRONMENTAL HAZARDS**

For terrestrial uses, do not apply directly to water, or to areas where surface water is pr or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

#### **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labelin Do not apply this product in a way that it will contact workers or other persons, either dire through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

cide Pesti Comments on Z ш mmary of 83

age: 2

Date: 9/7/2018 5:53:54 AM

Note

#### Olives

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
scales	34.5 46.0	2.156 - 2.875 (1.5 – 2.0)	Apply by ground application using 110 to 500 per acre spray volume. Apply in sufficient water volumes to provide adequate coverage for tree size. Through coverage is critical for adequate control.  For aerial applications, apply in a minimum fir spray volume of 5 gallons per acre.  **RECOMMENDATIONS**  **black scale: Applications should occ after complete crawler hatch.  **all other scales: Apply at early crawle emergence.  **Thorough sport coverage is essential. Ori nozzles to assure good coverage. Usi higher volume of spray will assure bel coverage especially under adverse conditions, such as hot, dry weather a a dense canopy.

#### Restrictions:

Do not apply more than 2 applications per growing season.

The minimum spray interval is 50 days.

Do not use more than 92.0 oz. of this product per acre per growing season (4.02 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 21 days.

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
mealybugs pear psylla scales	34.5 – 46.0	2.156 - 2.875 (1.5 - 2.0)	Apply by ground application using a minimum of gallons of water per acre.  For aerial applications, apply in a minimum finis spray volume of 5 gallons per acre.  RECOMMENDATIONS  • pear psylla, for best results of controlling 1st and 2nd instars, apply pre-bloom or a petal fall. In-season, apply when smalled pear psyllanymphs are present. Tank rewith adulticide for optimum control.  • mealybugs or San Jose scale, apply bloom or at first crawler emergence.  • other scales, apply at early crawler emergence.  • Use a sufficient volume of water to ensith thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.

Number. 2 Author: mwalsh02 Subject: Sticky Note Date: 9/7/2018 6:06:08 AM For standardization and per the Citrus Fruits and Coffee rates on this label and the Citrus rates on the cited product label, change rate from "4,02" to "4,0" to For standardization and per the Citrus Fruits and Coffee rates on this label and the Citrus rates on the cited product label, change rate from "4,02" to "4,0" to match. Number: 1 Author: mwalsh02 Subject: Sticky Note Date: 977/2018 6:05:20 AM Remove "Good spray coverage is essential," as this is addressed in the first sentence, and as seen in the cited product.

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			<ul> <li>mealybugs, apply at dormant, delayed dormant to petal fall when nymphs are present. Apply in-season at early crawler emergence.</li> <li>Through spray coverage is essential</li> </ul>
mealybugs scales	34.5	2.156 (1.5)	*

#### Restrictions:

Do not apply more than 1 application per growing season.

Do not use more than 34.5 oz. of this product per acre per growing season (1.5 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 14 days.

Pomegranates

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
whiteflies	12 .0- 34.5	0.75 - 2.156 (0.53 - 1.5)	Apply by ground application using a minimum of 50 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.  RECOMMENDATIONS  • brown soft scale, apply at dormant timing targeting the overwintering population or at crawlier emergence during the summer.  • San Jose scale, apply at dormant, delayed dormant, pre- bloom or in-season at early crawler emergence.  • whiteflies, apply at early nymph threshold,  • other scales, apply at early crawler emergence.  • mealybugs, apply when early crawler emergence.  • Through spray coverage is essential.
mealybugs scales	34.5 – 46.0	2.16 - 2.875 (1.5 - 2.0)	

#### Restrictions:

Do not apply more than 2 applications per growing season.

The minimum spray interval is 14 days.

Do not use more than 69.0 oz. of this product per acre per growing season (3.0 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 14 days.

Page: 12

Number: 1 Author: mwalsh02 Subject: Sticky Note Date: 9/7/2018 5:38:46 AM Correct typo by replacing "Through" with "Thorough".

Stone Fruits (Crop Group 12) apricot, sweet cherry, tart cherry, nectarines, peach, plum, chickasaw plum, damson plum, Japanese plum, plumcot, prunes (fresh).

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
mealybugs scales	34.5	2.156 (1.5)	Apply by ground application using a minimum of 50 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.  RECOMMENDATIONS  • San Jose scale, apply at dormant, deladormant, pre- bloom when scale is in the black cap stage or in-season at early crawler emergence.  • other scales, apply at early crawler emergence.  • mealybugs, apply when early crawler emergence occurs.  • Thorough spray coverage is essentia

#### Restrictions:

Do not apply more than 2 applications per growing season.

The minimum spray interval is 14 days.

Do not use more than 69.0 oz. of this product per acre per growing season (3.0 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 14 days.

Tree Nuts (Crop Group 14) Plus Pistachios almonds, beechnuts, Brazil nuts, butternut cashews, chestnuts, chinquapins, filberts, hickory nuts, macadamia nuts, pecans, wal

{black and English} and pistachios.

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
mealybugs scales	34.5 – 46.0	2.156 - 2.875 (1.5 - 2.0)	Apply by ground application using a minimun 100 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.  RECOMMENDATIONS  San Jose scale, application can be mat dormant, delayed dormant, pre-blowhen scale is in the black cap stage oseason at early crawler emergence.  other scales, apply at early crawler emergence or when scales are of a susceptible early nymphal stage.  mealybugs, Application should be nwhen early crawler emergence occu Thorough spray coverage is essenti:

### Restrictions:

Do not use more than 46.0 oz. of this product per acre per growing season (2.0 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 60 days.

Number: 1 Author: mwalsh02

### Walsh, Michael

From:

John Wright <jwrightch@comcast.net>

Sent:

Thursday, September 06, 2018 9:47 PM

To: Cc: Walsh, Michael

Subject:

Rate, Debra RE: 2749-LIT. Label Comments.

Attachments:

002749-00LIT.20180906.Bufprfezin70WDG IGR Proposed.pdf

Changes made as requested.

Let me know if you need anything else here.

RESUBMERSION ON 9/6/18;

From: Walsh, Michael < Walsh. Michael@epa.gov>

Sent: Thursday, September 6, 2018 5:39 PM
To: john Wright <jwrightch@comcast.net>
Cc: Rate, Debra <Rate.Debra@epa.gov>
Subject: 2749-LIT. Label Comments.

Dear Mr. Wright:

Attached please find the most recent set of label comments.

Please thoroughly check and address the comment.

Since we are in the process of working toward finalizing the label, please make no changes to the label, other than those specified in the attachment.

Please note that I am out of the office on Monday, and hope to complete this action in the next day or two.

Thank you for your prompt attention to this matter.

Mike

LABOR COMMENTS MADE ON 9/6/18

RESUBINESSED 1 5#: 1024450

# Walsh, Michael

From:

Walsh, Michael

Sent:

Thursday, September 06, 2018 5:39 PM 'John Wright'

To: Cc:

Rate, Debra

Subject:

2749-LIT. Label Comments.

Attachments:

2749-LIT PM and Secondary Review September 6 2018 MWDNR.pdf

Dear Mr. Wright:

Attached please find the most recent set of label comments.

Please thoroughly check and address the comment.

Since we are in the process of working toward finalizing the label, please make no changes to the label, other than those specified in the attachment.

Please note that I am out of the office on Monday, and hope to complete this action in the next day or two.

Thank you for your prompt attention to this matter.

Mike

# Buprofezin 70WDG IGR

Insect Growth Regulator for use on Bananas, Coffee, Citrus Fruits, Grapes, Olives, Pears, Asian Pears, Persimmon, Pistachios, Pome Fruit, Pomegranates, Stone Fruits, Tomatoes (greenhouse), Tree Nuts, Tropical Crops, Ornamentals (greenhouse and outdoor) and Christmas Trees.

**ACTIVE INGREDIENT:** 

% BY WT

Buprofezin: 2-tert-butylimino-3-isopropyl-5-phenyl-1,3,5-thiazinan-4-one......70.0% OTHER INGREDIENTS: 30.0%

Contains 0.70 lb. buprofezin per pound of product.

EPA Reg. No. 2749-LIT EPA Est. No.

**Net Contents:** 

ACCEPTED

9/7/2018

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under

EPA Reg. No. 2749-587

Manufactured for: Aceto Agricultural Chemicals Corporation 4 Tri Harbor Court Port Washington, NY 11050

Read "LIMIT OF WARRANTY AND LIABILITY" before buying or using. If terms are not acceptable, return at once unopened.

# KEEP OUT OF REACH OF CHILDREN CAUTION

	FIRST AID
If swallowed	<ul> <li>Call poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
If on skin or clothing	<ul> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
If inhaled	<ul> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth to-mouth, if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
If in eyes	<ul> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>

Have the product container or label with you when calling a poison control center or doctor or going for treatment. FOR EMERGENCY MEDICAL HELP, CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887.

NOTE TO PHYSICIAN: There is no specific antidote. All treatment should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred.

FOR CHEMICAL SPILL, LEAK, FIRE, EXPOSURE OR MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887.

See [inside booklet] [back panel] for [First Aid], [Precautionary Statements] [and] [Directions for use]

# PRECAUTIONARY STATEMENTS Hazards to Humans and Domestic

# CAUTION

Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before reuse.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

### Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

#### STATEMENTS FOR CONTAMINATED PPE

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### **ENGINEERING CONTROLS**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

#### **USER SAFETY RECOMMENDATIONS**

Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing, As soon as possible, wash thoroughly and change clothing.

#### **ENVIRONMENTAL HAZARDS**

For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

### **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that it will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.



Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), restricted-entry interval, and notification to workers.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

For early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, wear:

- Coveralls
- Waterproof gloves
- Shoes plus socks

#### NONAGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, or greenhouses. For other uses, including golf courses and other nonagricultural uses, do not enter treated areas without protective clothing until sprays have dried.

#### PRODUCT INFORMATION

This product is an insect growth regulator effective against the nymphal stages of whitefly, scales, psylla, mealybugs, planthoppers, and leafhoppers by inhibiting chitin biosynthesis, suppressing oviposition of adults, and reducing viability of eggs. This product is not an adulticide. Evidence of activity may be slower than typical contact insecticides as treated susceptible pests may remain alive on the plant for 3-7 days; however, pests have stopped feeding and any feeding damage during this time is typically very low.

This product is not disruptive to beneficial insects and mites.

This product is a contact insecticide, so through spray coverage is essential. Apply by ground or air in sufficient water volume. Orient nozzles to ensure good coverage. Use of higher volume of water will assure better coverage, especially under adverse conditions such as hot, dry weather, and/or a dense canopy. The entire field should be treated. Apply when economic infestations occur based on local information.

Not for Sale, Sale into, Distribution, and/or Use in Nassau and Suffolk Counties of New York State.

#### INSECTS CONTROLLED

whiteflies: ash whitefly, banded winged whitefly, greenhouse whitefly, silverleaf whitefly, sweet potato whitefly

mealybugs: apple mealybug, citrus mealybug, comstock mealybug, Gill's mealybug, grape mealybug, longtailed mealybug, madeira mealybug, Mexican mealybug, obscure mealybug, striped mealybug, vine mealybug

**leafhoppers and planthoppers:** brown planthopper, cherry leafhopper, Eastern grape leafhopper, glassy-winged sharpshooter, potato leafhopper, variegated leafhopper, Western grape leafhopper, white apple leafhopper

### pear psylla

#### scales:

soft scales: barnacle scale, black scale, brown soft scale, citricola scale, European fruit lecanium scale, false oleander scale, frosted scale, hemispherical scale, Indian wax scale and other wax scales, tessellated scale, white peach scale

<u>armored scales:</u> boisduvar scale, cactus scale, California red scale, coconut scale, fern scale, Florida red scale, oystershell scale, San Jose scale, walnut scale

margarodid scale: cottony cushion scale

#### **USE RESTRICTIONS**

- This product is not for sale, sale into, distribution, and or use in Nassau and Suffolk counties of New York state.
- Do not apply this product through any type of irrigation system.
- Use of this product in residential areas is prohibited.

#### Crop Rotational Restrictions:

CROP	PLANTBACK TIMING	
All crops registered for use with buprofezin	0 days following application	
Cereal grains	30 days following application	
All other crops	60 days following application	

#### **USE PRECAUTIONS**

- Apply in a minimum finished spray volume of 5 gallons per acre by air. For gallonage per acre by ground, refer to Application Instruction section.
- Phytotoxicity may occur in Asian Pear varieties, normally limited to applications made prior to petal fall.

#### RESISTANCE MANAGEMENT

For resistance management, this product contains a Group 16 insecticide. Any insecticide population may contain individuals naturally resistant to this product and other Group 16 insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay insecticide/acaricide resistance, take the following steps:

- Rotate the use of this product or other Group 16 insecticides within a growing season, or among growing seasons, with different groups that control the same pests.
- Use tank mixtures with insecticides from a different group that are equally effective on the target pest when such use is permitted. Do not rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues (for the targeted pests) between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
  - Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
  - Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
  - When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
  - Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
  - The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated pest management program for insecticide/acaricide use that includes scouting, uses historical information related to pesticide use crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If level of survival suggests the
  presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in

your area.

 For further information or to report suspected resistance contact Aceto representatives at 516-627-6000.

See specific crop Use Directions for maximum single application rate, annual maximum number of applications and amount of active ingredient.

#### APPLICATION DIRECTIONS

Applications should be made immediately after the spray solution is prepared. Thorough spray coverage is essential for effective control. Applications may be made with high or low volume spray equipment that provides thorough coverage of the plant. Apply with properly calibrated spray equipment. For best results, apply when pest populations are beginning to build, before reaching economic thresholds.

Consult your local agricultural advisor, or state cooperative extension service for guidance.

#### MIXING DIRECTIONS

Keep agitation running during filling and spraying operations. If spraying must be stopped before emptying the sprayer, resume agitation before spraying the remainder of the load. Mix only as much spray solution as can be sprayed within four hours. Storage and use of the previous day's spray mix may result in reduced activity.

THIS PRODUCT ALONE: Fill spray tank with ¾ of the amount of water needed for the intended application and then turn on agitation. Pour recommended amount of product on the surface of water in the spray tank. Add the balance of the water to the spray tank with agitation running.

THIS PRODUCT TANK MIXTURES: Begin with clean equipment. Fill spray tank with ¾ of the amount of water needed for the intended application and turn on agitation. If using a buffering agent, add after filling the tank with ¾ amount of water. Do not use oil as carrier or include other additives in the finished spray.

Add the recommended amount of tankmix products in the following order while maintaining agitation:

- 1. Products in water soluble packets
- 2. Wettable powders
- 3. Water-dispersible granulars and/or soluble powders
- 4. Flowable liquids
- 5. Emulsifiable concentrates
- 6. Adjuvants and/or oils
- 7. Remaining amount of water to achieve the desired level

Note: It is recommended that the compatibility of this product in any tankmix combination be tested before use. To determine the physical compatibility with other products, use a jar test, as described below:

Using a quart (qt) jar, add the proportionate amounts of the products to 1 qt. of water. Add wettable powders and water-dispersible granular products first, then flowable liquids, and emulsifiable concentrates last. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed readily, it is physically compatible. Once compatibility has been proven, use the same procedure to adding required ingredients to the spray tank.

Read and follow all label direction for each tankmix product. Always use in accordance with the most restrictive of label precautions and limitations.

### SPRAY DRIFT REDUCTION MANAGEMENT

Do not apply when wind speed favors drift beyond the area intended for treatment. The interaction of many equipment and weather-related factors determine the potential for spray drift. The applicator is responsible for considering all of these factors when making application decisions. Avoiding spray drift is the responsibility of the applicator.

#### Importance of Droplet Size:

An important factor influencing drift is droplet size. Small droplets (<150 - 200 microns) drift to a greater extent than large droplets. Within typical equipment specifications, applications should be made to deliver the largest droplet spectrum that provides sufficient control and coverage. Use only Medium or coarser spray nozzles (for ground and non-ULV aerial application) according to ASAE (S572) definition for standard

nozzles. In conditions of low numidity and high temperatures, applicators should use a coarser droplet size.

**Ground Applications:** 

Wind speed must be measured adjacent to the application site on the upwind side, immediately prior to application. For ground boom applications, apply using a nozzle height of no more than 4 feet above the ground or crop canopy. For airblast applications, turn off outward pointing nozzles at row ends and when spraying the outer two (2) rows. To minimize spray loss over the top in orchard applications, spray must be directed into the canopy.

#### **Aerial Applications:**

The spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used and must not exceed 75% of the wingspan or 80% rotor diameter. Flight speed and nozzle orientation must be considered in determining droplet size. Spray must be released at the lowest height consistent with pest control and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety. When applications are made with a cross-wind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind. Making applications at the lowest height that is safe reduces the exposure of the droplets to evaporation and wind.

#### Wind Speed Restrictions:

Drift potential increases at wind velocities of less than 3 mph (due to inversion potential) or more than 10 mph. However, many factors, including droplet size, canopy and equipment specifications determine drift potential at any given wind speed. Only apply this product if the wind direction favors on-target deposition. Do not apply when wind velocity exceeds 15 mph and avoid gusty and windless conditions. Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.

### Restrictions During Temperature Inversions:

Do not make ground applications during temperature inversions. Drift potential is high during temperature inversions. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by stable air and increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by mist or ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source. Smoke that layers and moves laterally near the ground surface in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical mixing.

The use rate for this product is expressed in terms of the oz. of this product per acre, lb. of this product per acre and lb. ai/acre.

The pre-harvest interval (PHI) is the required number of days between the last application of this product and the harvesting of the crop.

The application spray volume is expressed as the number of gallons of liquid applied per acre (GPA).

#### Bananas

Pest	Rate oz./acre	Rate of This Product Ib./acre (lb. ai/acre)	Application Instructions
leafhoppers mealybugs scales whiteflies	7.0	0.438 (0.31)	Apply by ground application using a minimum of 15 gallons of water per acre.  For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.  RECOMMENDATIONS
Ī			<ul> <li>Treatments should be applied when population level reaches economic threshold. Consult local or</li> </ul>

	<ul> <li>state agricultural authorities for details.</li> <li>Through spray coverage is essential. Use of a higher volume of spray will ensure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.</li> </ul>
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#### Restrictions:

Do not apply more than 4 applications per growing season.

The minimum spray interval is 14 days.

Do not use more than 27 oz. of this product per acre per growing season (1.18 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 1 day.

Citrus Fruits (Crop Group 10) calamondin; citrus; citron; citrus hybrids (including chironja, tangelo, tangor); clementine; grapefruit; kumquat; lemon; lime; mandarin; orange, sour; orange, sweet; pummelo; satsuma mandarin; tangerine.

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
black scales California red scale citricola scale cottony cushion scale glassy-winged sharpshooter mealybugs wax scale	34.5 – 46.0	2.156 - 2.875 (1.5 - 2.0)	Apply by ground application using a minimum spray solution of 500 gallons of water per acre.  Apply with sufficient water volume according to tree size. Thorough spray coverage of the fruit, foliage, and wood is essential for maximum results.  When using the minimum water volume, trees must not exceed 10 feet tall, tree canopy must be opened up, and tractor speed must not exceed 1.5 miles per hour.  For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.  RECOMMENDATIONS  • red scale: Applications should begin at early crawler emergence.  • citricola scale: Apply after complete crawler hatch. Spring applications can provide suppression and minimize honeydew accumulation.  • cottony cushion scale: Applications should occur after complete crawler hatch.  • all other pests: Applications should be made when early crawler emergence occurs  • Through spray coverage is essential.

#### Restrictions:

Do not apply more than 2 applications per growing season.

The minimum spray interval is 60 days.

Do not use more than 92.0 oz. of this product per acre per growing season (4.0 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 3 days.

Citrus Fruits (Crop Group 10) (Texas & Florida Only) calamondin; citrus; citron; citrus hybrids (including chironja, tangelo, tangor); clementine; grapefruit; kumquat; lemon; lime; mandarin; orange, sour; orange, sweet; pummelo; satsuma mandarin; tangerine.

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
soft scales armored scales	34.5 – 46.0	2.156 – 2.875 (1.5 – 2.0)	Apply by ground application using a minimum of 250 gallons of water per acre.  For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.  RECOMMENDATIONS  Thorough coverage is essential for optimum control.  Choice of water volume should be based on tree canopy size and location of the scale insect within the tree canopy.  Applications should be made at beginning of crawler hatch and emergence.

#### Restrictions:

### Limited to Florida and Texas Only

Do not apply more than 2 applications per growing season.

The minimum spray interval is 60 days.

Do not use more than 92.0 oz. of this product per acre per growing season (4.0 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 3 days.

### Coffee

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
mealybugs scales	23.0	1.43 (1.0)	Apply by ground application using a minimum of 50 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.
			RECOMMENDATIONS     Apply when population level reaches economic threshold.     Use a sufficient volume of water to ensure
			thorough coverage of fruit and leaf surfaces.

#### Restrictions:

Do not apply more than 4 applications per growing season.

The minimum spray interval is 14 days.

Do not use more than 92.0 oz. of this product per acre per growing season (4.0 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 0 day.

Grapes

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
European fruit lecanium scale	12.0	0.75 (0.53)	Apply by ground application using a minimum of 50 gallons of water per acre. Water volumes should be adjusted based on the size of the grape canopy. Higher water volumes should be used for dense canopies.  For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.  RECOMMENDATIONS  • leafhoppers, apply when majority of the population is at early nymphal stage.  • mealybugs, begin applications at early crawler emergence. Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will ensure better coverage especially under adverse conditions, such as hot, dry weather
leafhopper	100		and/or a dense canopy.
mealybugs	9.0 – 12.0	0.56 - 0.75 (0.4 - 0.53)	

### Restrictions:

Do not apply more than 2 applications per growing season.

The minimum spray interval is 14 days.

Do not use more than 24.0 oz. of this product per acre per growing season (1.05 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 7 days.

mealybugs	24.0	1.5 (1.05)	Apply by ground application using a minimum of 50 gallons of water per acre. Water volumes should be adjusted based on the size of the grape canopy. Higher water volumes should be used for dense
			canopy.  For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.
	3		RECOMMENDATIONS  • mealybugs, begin applications at early
			crawler emergence.
			<ul> <li>Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better</li> </ul>
			coverage especially under adverse conditions, such as hot, dry weather and/or dense canopy.

#### Restrictions:

### Limited to Arizona and California Only

Do not use more than 24.0 oz. of this product per acre per growing season (1.05 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 30 days.

### Olives

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
scales	34.5 - 46.0	2.156 - 2.875 (1.5 – 2.0)	Apply by ground application using 110 to 500 per acre spray volume. Apply in sufficient water volumes to provide adequate coverage for tree size. Through coverage is critical for adequate control.  For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.  RECOMMENDATIONS  • black scale: Applications should occur after complete crawler hatch.  • all other scales: Apply at early crawler emergence.  • Thorough spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.

### Restrictions:

Do not apply more than 2 applications per growing season.

The minimum spray interval is 50 days.

Do not use more than 92.0 oz. of this product per acre per growing season (4.0 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 21 days.

Pears near: Asian near

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
mealybugs pear psylla scales	34.5 – 46.0	2.156 - 2.875 (1.5 - 2.0)	Apply by ground application using a minimum of 80 gallons of water per acre.  For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.  RECOMMENDATIONS  • pear psylla, for best results of controlling 1st and 2nd instars, apply pre-bloom or at petal fall. In-season, apply when smaller pear psylla nymphs are present. Tank mix with adulticide for optimum control.  • mealybugs or San Jose scale, apply pre-bloom or at first crawler emergence.  • other scales, apply at early crawler emergence.  • Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.

varieties but is normally limited to applications made prior to petal fall.

#### Restrictions:

Do not apply more than 2 applications per growing season.

The minimum spray interval is 7 days.

Do not use more than 69.0 oz. of this product per acre per growing season (3.0 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 14 days.

#### **Persimmons**

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
mealybugs soft scales European fruit lecanium scales frosted scale	34.5	2.156 (1.5)	Apply by ground application using a minimum of 100 gallons of water per acre.  For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.  RECOMMENDATIONS  • mealybugs, apply at beginning of crawler emergence. This product is most effective on early developmental stage of mealybugs.  • scales, apply a beginning of crawler emergence of the scale generation being targeted.  Good spray coverage is essential.
			Outu spray coverage is essential.

#### Restrictions:

Do not apply more than 2 applications per growing season.

The minimum spray interval is 14 days.

Do not use more than 69.0 oz. of this product per acre per growing season (3.0 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 14 days.

Pome Fruits (Crop Group 11-10) except pear and Asian pear (see separate directions for pear and Asian pear) apple, azarole, crabapple, loquat, mayhaw, medlar, quince, Chinese quince, Japanese quince, teiocote: cultivars, varieties, and/or hybrids of these.

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
leafhoppers	9.0 - 12.0	0.56 - 0.75 (0.4 - 0.53)	Apply by ground application using a minimum of 80 gallons of water per acre. For low-volume sprayers, use a minimum of 20 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.  RECOMMENDATIONS  San Jose scale, apply at dormant, delayed dormant, pre- bloom or in-season at early crawler emergence.  other scales, apply at early crawler emergence.  mealybugs, apply at dormant, delayed

			dormant to petal fall when nymphs are present. Apply in-season at early crawler emergence.  Through spray coverage is essential
mealybugs scales	34.5	2.156 (1.5)	I nrough spray coverage is essential

#### Restrictions:

Do not apply more than 1 application per growing season.

Do not use more than 34.5 oz. of this product per acre per growing season (1.5 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 14 days.

**Pomegranates** 

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
whiteflies	12 .0- 34.5	0.75 – 2.156 (0.53 – 1.5)	Apply by ground application using a minimum of 50 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.  RECOMMENDATIONS  • brown soft scale, apply at dormant timing targeting the overwintering population or at crawlier emergence during the summer.  • San Jose scale, apply at dormant, delayed dormant, pre- bloom or in-season at early crawler emergence.  • whiteflies, apply at early nymph threshold,  • other scales, apply at early crawler emergence.  • mealybugs, apply when early crawler emergence occurs.  • Thorough spray coverage is essential.
mealybugs scales	34.5 – 46.0	2.16 - 2.875 (1.5 - 2.0)	

#### Restrictions:

Do not apply more than 2 applications per growing season.

The minimum spray interval is 14 days.

Do not use more than 69.0 oz. of this product per acre per growing season (3.0 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 14 days.

Stone Fruits (Crop Group 12) apricot, sweet cherry, tart cherry, nectarines, peach, plum,

chickasaw plum, damson plum, Japanese plum, plumcot, prunes (fresh).

Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
34.5	2.156 (1.5)	Apply by ground application using a minimum of 50 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.  RECOMMENDATIONS  San Jose scale, apply at dormant, delayed dormant, pre- bloom when scale is in the black cap stage or in-season at early crawler emergence.  other scales, apply at early crawler emergence.  mealybugs, apply when early crawler emergence occurs.  Thorough spray coverage is essential.
	oz./acre	oz./acre Product Ib./acre (Ib. ai/acre)  34.5 2.156

#### Restrictions:

Do not apply more than 2 applications per growing season.

The minimum spray interval is 14 days.

Do not use more than 69.0 oz. of this product per acre per growing season (3.0 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 14 days.

Tree Nuts (Crop Group 14) Plus Pistachios: almonds, beechnuts, Brazil nuts, butternuts, cashews, chestnuts, chinquapins, filberts, hickory nuts, macadamia nuts, pecans, walnuts

{black and English} and pistachios.

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
mealybugs scales	34.5 – 46.0	2.156 - 2.875 (1.5 - 2.0)	Apply by ground application using a minimum of 100 gallons of water per acre.  For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.  RECOMMENDATIONS  San Jose scale, application can be made at dormant, delayed dormant, pre- bloom when scale is in the black cap stage or inseason at early crawler emergence.  other scales, apply at early crawler emergence or when scales are of a susceptible early nymphal stage.  mealybugs, Application should be made when early crawler emergence occurs.  Thorough spray coverage is essential.

#### Restrictions:

Do not apply more than 1 application per growing season.

Do not use more than 46.0 oz. of this product per acre per growing season (2.0 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 60 days.

Tomatoes (Greenhouse Only)

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
leafhopper mealybugs planthoppers	9.0	0.56 (0.4)	For greenhouse tomatoes, apply by ground on 2 acreminimum with 20 gallons of water per acre.  RECOMMENDATIONS  • Apply when populations level reaches economic threshold. Consult local and state agricultural authorities for specific details.  • Good spray coverage is essential.
whiteflies	6.0 - 9.0	0.38 - 0.56 (0.26 - 0.4)	<ul> <li>Apply in sufficient water to obtain complete coverage of all plant parts.</li> <li>Applications may be made with high volume, low volume or ultra-low volume (thermal and non-thermal foggers, misters, etc.) ground equipment only. Follow the spray equipment manufacturer's directions to determine the amount of spray solution required to obtain thorough coverage. Consult the spray equipment manufacturer's operator's manual, spray nozzle catalogs and/or your crop advisor for more information.</li> </ul>

### Restrictions:

Do not apply more than 2 applications per growing cycle.

The minimum spray interval is 5 days.

Do not use more than 18.0 oz. of this product per acre per growing cycle (0.8 lb. a.i. per acre) per growing cycle.

Pre-Harvest Interval (PHI) is 1 day.

Tropical Crops; acerola, atemoya, avocado, binda, chermoya, custard apple, feijoa, guava, ilama, inhaticaba, passion fruit, acuran atempita and apple and apple feijoa, guava, ilama,

jaboticaba, passion fruit, soursop, starfruit, sugar apple and wax jambu.

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
scales	34.5	2.156 (1.5)	Apply by ground application using a minimum of 20 gallons of water per acre.  For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.  RECOMMENDATIONS  • scale and mealybugs, begin applications at early crawler emergence.  • Good spray coverage is essential.
leafhoppers mealybugs whiteflies	9. 0 - 12.0	0.56 - 0.75 (0.4 - 0.53)	26 26 26 26 26 26 26 26 26 26 26 26 26 2

### Restrictions:

### Limited to Florida, Hawaii and Puerto

Do not apply more than 2 applications per growing season.

The minimum spray interval is 14 days.

Do not use more than 69.0 oz. of this product per acre per growing season (3.0 lb. a.i. per acre per growing season).



### Tropical Crops; black sapote, canistel, mamey sapote, mango, papaya, sapodilia, star apple.

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
leafhoppers mealybugs scales whiteflies	9. 0 - 12.0	0.56 - 0.75 (04 0.53)	Apply by ground application using a minimum of 20 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.  RECOMMENDATIONS
		•	<ul> <li>mealybugs and scales, apply at early crawler emergence for best control.</li> <li>Good spray coverage is essential.</li> </ul>

#### Restrictions:

### Limited to Florida, Hawaii and Puerto

Do not apply more than 5 applications per growing season.

The minimum spray interval is 14 days.

Do not use more than 45 oz. of this product per acre per growing season (1.97 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 3 days.

Tropical Crops; longan, pulasan, rambutan, Spanish lime.

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
scales	34.5	2.156 (1.5)	Apply by ground application using a minimum of 75 gallons per acre spray volume.  For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.

#### Restrictions:

Do not apply more than 2 applications per growing season.

The minimum spray interval is 14 days.

Do not use more than 69.0 oz. of this product per acre per growing season (3.0 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 21 days.

Ornamental Plants in greenhouses; lath and shadehouses; nurseries; landscape ornamentals; ground covers; field-and container-grown ornamentals; non-bearing fruit and nut trees and vines in nurseries; Christmas trees.

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application instructions
leafhoppers mealybugs planthoppers	12.0	0.75 (0.53)	RECOMMENDATIONS For best results, apply when population level reaches economic threshold. Apply in sufficient water to obtain complete, uniform coverage of all plant parts including stems and underside of leaves. Spray to point of runoff. Applications may be made with high volume, low volume or ultra-low volume (thermal and non-thermal foggers, misters, etc.) ground equipment only. Follow the spray equipment manufacturer's directions to determine the amount of spray solution

		**	required to obtain thorough coverage. Consult the spray equipment manufacturer's operator's manual, spray nozzle catalogs and/or your crop advisor for more information.
scales	14.0	0.88 (0.61)	whiteflies, leafhoppers or planthopper, apply as soon as adult insects begin to appear.     scales, apply at early crawler emergence.     mealybugs, apply as soon as insect activity is observed.
whiteflies	6.0	0.38 (0.26)	Good spray coverage is essential.  If additional insecticide applications are required for control, use another class of chemistry or a different Insect Growth Regulator (IGR) with a different mode of action before making subsequent applications of buprofezin.  Consult local and state agricultural authorities for specific details.

#### Restrictions:

Do not apply this product in residential areas.

Do not apply more than 2 applications per growing season.

Do not use more than 28.0 oz. of this product per acre per growing season (1.22 lb. a.i. per acre per growing season).

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

PESTICIDE STORAGE: Store in original container in a cool, dry and secure location.
PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed on site or at an approved waste disposal facility.

[Plastic bottle packaging:]

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

[Fiber Drums with Liners:]

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into the handling or application equipment. Then offer for recycling if available, or dispose of liner in a sanitary landfill, or by incineration, or by burning, if allowed by state and local authorities. If burned, stay out of smoke. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

Batch	Code:	

#### WARRANTY DISCLAIMER AND NOTICE

#### **IMPORTANT: READ BEFORE USE**

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS**: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Aceto Agricultural Chemicals Corporation. To the extent consistent with applicable law all such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, ACETO AGRICULTURAL CHEMICALS CORPORATION MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Aceto Agricultural Chemicals Corporation is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, ACETO AGRICULTURAL CHEMICALS CORPORATION DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT ACETO AGRICULTURAL CHEMICALS CORPORATION'S ELECTION, THE REPLACEMENT OF PRODUCT.

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% BY WT

# BUPROFEZIN

# Buprofezin 70WDG IGR

Insect Growth Regulator for use on Bananas, Coffee, Citrus Fruits, Grapes, Olives, Pears, Asian Pears, Persimmon, Pistachios, Pome Fruit, Pomegranates, Stone Fruits, Tomatoes (greenhouse) With Nuts, Tropical Crops, Ornamentals (greenhouse and outdoor) and Christmas Trees.

**ACTIVE INGREDIENT:** 

Buprofezin: 2-tert-butylimino-3-isopropyl-5-phenyl-1,3,5-thiazinan-4-one......70.0% OTHER INGREDIENTS: 30.0%

EPA Reg. No. 2749-LIT EPA Est. No.

**Net Contents:** 

Manufactured for:

ummary of Comments on US EPA, Pesticide Product Label,

EC INSECTICIDE,07/22/2015

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autionary Statements] [and] [Directions fo

ILITY" before buying or using. If terms are not acceptable, return at

# OF REACH OF CHILDREN CAUTION

### **FIRST AID**

on control center or doctor immediately for treatment advice. son sip a glass of water if able to swallow. duce vomiting unless told to do so by the poison control center or

ve anything by mouth to an unconscious person.

contaminated clothing.

n immediately with plenty of water for 15-20 minutes. ison control center or doctor for treatment advice.

son to fresh air.

Subject: Inserted Text Date: 9/6/2018 3:27:07

is not breathing, call 911 or an ambulance; then give artificial in, preferably by mouth to-mouth, if possible.

ison control center or doctor for further treatment advice.

open and rinse slowly and gently with water for 15-20 minutes. contact lenses, if present, after the first 5 minutes, then continue

ison control center or doctor for treatment advice.

th you when calling a poison control center or doctor or going for CAL HELP, CALL CHEMTREC® TOLL FREE 1-800-424-9300 or

pecific antidote. All treatment should be based on observed signs int. Overexposure to materials other than this product may have

EXPOSURE OR MEDICAL EMERGENCY INVOLVING THIS FREE 1-800-424-9300 or 1-703-527-3887.

32 Subject: Sticky Note Date: 9/6/2018 1:33:19 PM "Contains 0.70 lb. buprofezin per pound of product" to appear her Subject: Sticky Note Date: 9/6/2018 5:28:14 PM Date: 9/6/2018 5:22:15 PM Date: 9/6/2018 5:31:04 PM Subject: Sticky Note Subject: Sticky Note Relocate this text to the bottom of the pag Add "[" before the term "Precautionary

Number: 3 Author: mwalsh02

Number: 2 Author: mwalsh02

Per the cited product, add

Number: 4 Author: mwalsh02

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Number: 1 Author: mwalsh02 4dd a comma here ade:

DG IGR Proposed

Page 1 of 17



## CAUTION

Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before reuse.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

#### Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

#### STATEMENTS FOR CONTAMINATED PPE

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exists, use detergent and hot water. Keep and wash PPE separately from other laundry.

### **ENGINEERING CONTROLS**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

#### **USER SAFETY RECOMMENDATIONS**

Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing, As soon as possible, wash thoroughly and change clothing.

### **ENVIRONMENTAL HAZARDS**

For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

### **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that it will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), restricted-entry interval, and notification to workers.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

For early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, wear:

- Coveralls
- Waterproof gloves
- Shoes plus socks

#### NONAGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the score of Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies vois used to produce agricultural plants on farms, forests, or greenhouses. For other use courses and other nonagricultural uses, do not enter treated areas without protective of sprays have dried.

#### PRODUCT INFORMATION

This product is an insect growth regulator effective against the nymphal stages of white scales, psylla, mealybugs, planthoppers, and leafhoppers by inhibiting chitin biosynthe suppressing oviposition of adults, and reducing viability of eggs. This product is not a adulticide. Evidence of activity may be slower than typical contact insecticides as trea susceptible pests may remain alive on the plant for 3-7 days; however, pests have sto feeding and any feeding damage during this time is typically very low.

This product is not disruptive to beneficial insects and mites.

This product is a contact insecticide, so through spray coverage is essential. Apply by air in sufficient water volume. Orient nozzles to ensure good coverage. Use of higher of water will assure better coverage, especially under adverse conditions such as hot, weather, and/or a dense canopy. The entire field should be treated. Apply when econinfestations occur based on local information.

Not for Sale, Sale into, Distribution, and/or Use in Nassau and Suffolk Counties (

#### INSECTS CONTROLLED

whiteflies: ash whitefly, banded winged whitefly, greenhouse whitefly, silverleaf whitefly potato whitefly

mealybugs: apple mealybug, described mealybug, comstock mealybug, Gill's mealybug mealybug, longtailed mealybug, madeira mealybug, Mexican mealybug, obscure mealybug, vine mealybug

**leafhoppers and planthoppers:** brown planthopper, cherry leafhopper, Eastern grap leafhopper, glassy-winged sharpshooter, potato leafhopper, variegated leafhopper, W grape leafhopper, white apple leafhopper

### pear psylla

#### scales:

soft scales: barnacle scale, black scale, brown soft scale, citricola scale, European fruit lecanium scale, false oleander scale, frosted scale, hemispherical scale, Indian wax scale and other wax scales, tessellated scale, white peach scale

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Author: mwaishuz Subject: Sucky No

armored scales: boisduva. scale, cactus scale, California red scale, count scale, fern scale, Florida red scale, oystershell scale, San Jose scale, walnut scale margarodid scale: cottony cushion scale

### USE RESTRICTIONS

- This product is not for sale, sale into, distribution, and or use in Nassau and Suffolk counties of New York state.
- Do not apply this product through any principal irrigation system.
- Not for use in residential greenhouses

### Crop Rotational Restrictions:

CROP	PLANTBACK TIMING	
All crops registered for use with buprofezin	0 days following application	
Cereal grains	30 days following application	
All other crops	60 days following application	

### USE PRECAUTIONS

Apply in a minimum finished spray volume of 5 gallons per acre by air. For gal per acre by ground, refer to Application Instruction section.

Phytotoxicity may occur in Asian Pear varieties, normally limited to applications made prior to petal fall.

#### RESISTANCE MANAGEMENT

For resistance management, this product contains a Group 16 insecticide. Any insecticid contain individuals naturally resistant to this product and other Group 16 insecticides. Th individuals may dominate the insect population if this group of insecticides are used repe fields. Appropriate resistance-management strategies should be followed.

To delay insecticide/acaricide resistance, take the following steps:

- Rotate the use of this product or other Group 16 insecticides within a growing se growing seasons, with different groups that control the same pests.
- Use tank mixtures with insecticides from a different group that are equally effecti pest when such use is permitted. Do not rely on the same mixture repeatedly for population. Consider any known cross-resistance issues (for the targeted pests) individual components of a mixture. In addition, consider the following recomme by the Insecticide Resistance Action Committee (IRAC):
  - Individual insecticides selected for use in mixtures should be highly effe at the rates at which they are individually registered for use against the
  - Mixtures with components having the same IRAC mode of action classi recommended for insect resistance management.
  - When using mixtures, consider any known cross-resistance issues bety components for the targeted pest(s).
  - Mixtures become less effective if resistance is already developing to on ingredients, but they may still provide pest management benefits.
  - The insect resistance management benefits of an insecticide mixture ar components have similar periods of residual insecticidal activity. Mixture with unequal periods of residual insecticide activity may offer an insect management benefit only for the period where both insecticides are act
- Adopt an integrated pest management program for insecticide/acaricide use tha uses historical information related to pesticide use crop rotation, record keeping considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If level of survival: presence of resistance, consult with your local university specialist or certified r
- Contact your local extension specialist or certified crop advisors for any, pesticic management and/or IPM recommendations for the specific site and pest proble

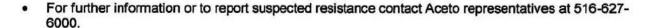
To prevent possible misuse, revise this third restriction to read "Use of this product in residential areas is prohibited. Number: 1 Author: mwalsh02

Number: 2 Author: drate

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Number: 3 Author: drate

Align text and bullets.



See specific crop Use Directions for maximum, single application rate, annual maximum number of applications and amount of active ingredient.

#### APPLICATION DIRECTIONS

Applications should be made immediately after the spray solution is prepared. Thorough spray coverage is essential for effective control. Applications may be made with high or low volume spray equipment that provides thorough coverage of the plant. Apply with properly calibrated spray equipment. For best results, apply when pest populations are beginning to build, before reaching economic thresholds.

Consult your local agricultural advisor, or state cooperative extension service for guidance.

### MIXING DIRECTIONS

Keep agitation running during filling and spraying operations. If spraying must be stopped before emptying

# Page: 5

Number: 1 Author: drate	Subject: Cross-Out Date: 9/6/2018 3:42:37 PM	
Number: 2 Author: mwalsh02 add comma here	Subject: Sticky Note Date: 9/6/2018 5:21:31 PM	
Number: 3 Author: drate	Subject: Inserted Text Date: 9/6/2018 3:48:34 PM	
add a comma  Number: 4 Author: mwalsh02	Subject: Sticky Note Date: 9/6/2018 1:24:25 PM	

Add the statement in bolded text that reads "Read and follow all label directions for each tankmix product. Always use in accordance with the most

restrictive label precautions and limitations." to appear above the Spray Drift Reduction Management header.

Add the reconnitioned amount or tanking products in the following order white mannering agreement

- Products in water soluble packets
- Wettable powders
- 3. Water-dispersible granulars and/or soluble powders
- 4. Flowable liquids
- 5. Emulsifiable concentrates
- 6. Adjuvants and/or oils
- 7. Remaining amount of water to achieve the desired level

Note: It is recommended that the compatibility of this product in any tankmix combination be tested before use. To determine the physical compatibility with other products, use a jar test, as described below:

Using a quart (qt) jar, add the proportionate amounts of the products to 1 qt. of water. Add wettable powders and water-dispersible granular products first, then flowable liquids, and emulsifiable concentrates last. After thoroughly mixing, let stand for at least 5 minutes. If the combination pergins mixed or can be remixed readily, it is physically compatible. Once compatibility has been proven the same procedure to a required ingredients to the spray tank.

### SPRAY DRIFT REDUCTION MANAGEMENT

Do not apply when wind speed favors drift beyond the area intended for treatment. The interaction of many equipment and weather-related factors determine the potential for spray drift. The applicator is responsible for considering all of these factors when making application decisions. Avoiding spray drift is the responsibility of the applicator.

#### Importance of Droplet Size:

An important factor influencing drift is droplet size. Small droplets (<150 - 200 microns) drift to a greater extent than large droplets. Within typical equipment specifications, applications should be made to deliver the largest droplet spectrum that provides sufficient control and coverage. Use only Medium or coarser spray nozzles (for ground and non-ULV aerial application) according to ASAE (S572) definition for standard nozzles. In conditions of low humidity and high temperatures, applicators should use a coarser droplet size.

### **Ground Applications:**

Wind speed must be measured adjacent to the application site on the upwind side, immediately prior to

application. For ground boom applications, apply using a nozzle height of no more than 4 feet above the ground or crop canopy. For airblast applications, turn off outward pointing nozzles at row ends and when spraying the outer two (2) rows. To minimize spray loss over the top in orchard applications, spray must be directed into the canopy.

Aerial Applications:

The spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used and must not exceed 75% of the wingspan or 80% rotor diameter. Flight speed and nozzle orientation must be considered in determining droplet size. Spray must be released at the lowest height consistent with pest control and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety. When applications are made with a cross-wind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind. Making applications at the lowest height that is safe reduces the exposure of the droplets to evaporation and wind.

Wind Speed Restrictions:

Drift potential increases at wind velocities of Page: 6

mph. However, many factors, including drop' potential at any given wind speed. Only appl Do not apply when wind velocity exceeds 15 Risk of exposure to sensitive aquatic areas ( Mumber: 2 Author: mwalsh02 toward the aquatic area.

inversions. Temperature inversions restrict v

Subject: Sticky Note Date: 9/6/2018 5:23:27 PM Check here. Text is to be replaced. Subject: Sticky Note Date: 9/6/2018 5:23:47 PM

Number: 3 Author: drate add comma **Restrictions During Temperature Inversic** 

Subject: Inserted Text Date: 9/6/2018 3:56:46 PM

Do not make ground applications during tem Number: 4 Author: drate

Subject: Inserted Text Date: 9/6/2018 3:59:06 PM

Ib. of this product per acre and lb. ai/acre

remain close to the ground and move lateral Number: 5 Author: mwalsh02 Revise rate to match cited "0.438" characterized by stable air and increasing te

Subject: Sticky Note Date: 9/6/2018 1:57:43 PM

cloud cover and light to no wind. They begin Their presence can be indicated by mist or ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source. Smoke that layers and moves laterally near the ground surface in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical mixing.

The use rate for this product is expressed in terms of the oz. of this product per acre Rate lb. /acre,

The pre-harvest interval (PHI) is the required number of days between the last application of this product and the harvesting of the crop.

The application spray volume is expressed as the number of gallons of liquid applied per acre (GPA).

### Bananas

Pest	Rate oz./acre	Rate of This Product  b./acre  (lb. ai/acre)	Application Instructions
leafhoppers mealybugs scales whiteflies	7.0	0.44 05 (0.31)	Apply by ground application using a minimum of 15 gallons of water per acre.  For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.
	*		Treatments should be applied when population level reaches economic threshold. Consult local or state agricultural authorities for details.     Through spray coverage is essential. Use of a higher volume of spray will ensure better coverage especially under adverse conditions,

-			
$\nu_{a}$		0.	1
Pa	9	e.	•

Number: 1 Author: mwalsh02		Date: 9/6/2018 2:00:09 PM	hot, any weather and/or a dense canopy.
Revise to match cited, which is	s "2.156 to 2.875)"		TIDE, GITY WEALTHER AND OF A GENERAL CONTROL OF
Number: 2Author: drate Revise recommendation to m	Subject: Highlight	Date: 9/6/2018 4:13:39 PM	
Revise recommendation to m	atch the cited produc	t label.	<del></del>
Number: 3Author: drate	Subject: Sticky Note	Date: 9/6/2018 4:29:12 PM	
Bullet and indent, as is seen in	other sections.		eason (1.18 lb. a.i. per acre per growing
Number: 4Author: mwalsh02	Subject: Sticky Note	Date: 9/6/2018 1:56:12 PM	
For clarity, revise *(TX & FL Or	nly)" to read "(Florida a	nd Texas Only)"	
			Victoria de la companya del companya de la companya del companya de la companya d

Number: 5Author: mwalsh02 Subject: Sticky Note Date: 9/6/2018 2:02:09 PM
Revise this to match cited "2.156 to 2.875"

citrus hybrids (including chironja, ; lime; mandarin; orange, sour;

### orange, sweet; pummelo; satsuma mandarin; tangerine.

Pest	Rate oz./acre	Rate of This Product Ib./acre (lb. ai/acre)	Application Instructions
black scales California red scale citricola scale cottony cushion scale glassy-winged sharpshooter mealybugs wax scale	34.5 – 46.0	2.16 - 2.88 (1.5 - 2.0)	Apply by ground application using a minimum spray solution of 500 gallons of water per acre.  Apply with sufficient water volume according to tree size. Thorough spray coverage of the fruit, foliage, and wood is essential for maximum results.  When using the minimum water volume, trees must not exceed 10 feet tall, tree canopy must be opened up, and tractor speed must not exceed 1.5 miles per hour.  For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.  RECOMMENDATIONS  • red scale, apply at early crawler emergence.  • citricola scale, begin applications after complete crawler hatch. Spring applications can provide suppression and minimize honeydew accumulation.  • cottony cushion scale, apply after complete crawler hatch.  • 211 other pests, apply at early crawler hatch.  • 211 other pests, apply at early crawler hatch.

### Restrictions:

Do not apply more than 2 applications per growing season.

The minimum spray interval is 60 days.

Do not use more than 92.0 oz. of this product per acre per growing season (4.0 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 3 days.

Citrus Fruits (Crop Group 10) (Fx & FL Only) calamondin; citrus; citron; citrus hybrids (including chironja, tangelo, tangor); clementine; grapefruit; kumquat; lemon; lime; mandarin; orange, sour; orange, sweet; pummelo; satsuma mandarin; tangerine.

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. al/acre)	Application Instructions
soft scales armored scales	34.5 – 46.0	2.16 - 2.08 (1.5 - 2.0)	Apply by ground application using a minimum of 250 gallons of water per acre.  For aerial applications, apply in a minimum finished

			RECOMMENDATIONS  Thorough cove	
	Page: 8			ime should be based on location of the scale
	Number: 1 Author: mwalsh02 Revise the rate to read the sar		Date: 9/6/2018 1:51:53 PM t, which is "1.43"	canopy.  be made at beginning of
	Number: 2 Author: mwalsh02 Bullet and indent, as is seen in	Subject: Sticky Note	Date: 9/6/2018 2:03:52 PM	nergence.
Restr	Number: 3 Author: drate	Subject: Highlight	Date: 9/6/2018 4:37:59 PM	
.imit: Do nc	Please confirm the math.  Number: 4Author: drate	Subject: Highlight	Date: 9/6/2018 4:22:55 PM	
he n	(0.53)			.ט וט. a.i. per acre per growin

### Coffee

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
mealybugs scales	23.0	1.44	Apply by ground application using a minimum of 50 gallons of water per acre.  For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.  RECOMMENDATIONS  • Apply when population level reaches economic threshold.  2 a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.

### Restrictions:

Do not apply more than 4 applications per growing season.

The minimum spray interval is 14 days.

Do not use more than 31:002 of this product per acre per growing season (4.0 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 0 day.

Grapes

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
European fruit lecanium scale	12.0	0.75 4 <mark>53)</mark>	Apply by ground application using a minimum of 50 gallons of water per acre. Water volumes should be adjusted based on the size of the grape canopy. Higher water volumes should be used for dense canopies.
			For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.

			RECOMMENDATION     leafhoppers, apply when majority of the population is at early nymphal stage.     mealybugs, begin applications at early crawler emergence.
leafhopper mealybugs	9.0 – 12.0	0.56 - 0.75 (0.4 - 0.53)	spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will ensure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.

Do not apply more than 2 applications per growing season.

The minimum spray interval is 14 days.

Do not use more than 24 oz of this product per acre per growing season (1.05 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 7 days.

mealybugs			Apply by g application using a minimum of 50
ou.y.bugo	24.0	1.5	gallons of water per acre.
		(1.05)	For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.
			Apply a minimum spray solution of 50 gallons per acre by ground. Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy, Use higher volumes for dense canopies.  Apply a minimum spray solution of 5 gallons per acre by air.
			RECOMMENDATIONS
			<ul> <li>mealybugs, begin applications at early crawler emergence.</li> </ul>
*		=	d spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.

### Restrictions:

### Limited to Arizona and California Only

Do not use more than 54 oz of this product per acre per growing season (1.05 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 30 days.

### Olives

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/a <u>cr</u> e)	Application Instructions
scales	34.5 – 46.0	2.1 2.88 (1.5 – 2.0)	Apply by ground apply after complete crawler emergence from the female scale has occurred.

# Page: 9

Number: 1 Author: mwalsh02	Subject: Sticky Note	Date: 9/6/2018 2:09:52 PM
Per the cited, this text should	be moved up to appea	er as part of the mealybugs bullet.
Number: 2 Author: drate	Subject: Highlight	Date: 9/6/2018 4:23:45 PM
24.0 oz		
Number: 3 Author: mwalsh02		Date: 9/6/2018 2:20:46 PM
John, please go back to the cithere?	ted product and assure	e this information is presented appropriate as seen on the cited product label. Is there duplicative text
Number: 4 Author: mwalsh02	Subject: Sticky Note	Date: 9/6/2018 2:21:26 PM
Bullet and indent to align with	text above.	
Number: 5 Author: drate	Subject: Highlight	Date: 9/6/2018 4:27:40 PM
24.0 oz	,	
Number: 6 Author: mwalsh02	Subject: Sticky Note	Date: 9/6/2018 2:24:05 PM
Per the cited product, revise the	ne rate to read *2.156	to 2.875"
Number: 7 Author: mwalsh02	Subject: Sticky Note	Date: 9/6/2018 2:26:32 PM
Relocate the text below that is	applicable for ground	application. See cited product
Number: 8 Author: drate	Subject: Highlight	Date: 9/6/2018 4:38:34 PM
Adjust text per most recent cit	ed product label.	

Page: 10		emergence  Jise a sufficient vo  thorough coverage  volume based on s  higher volumes for  Good spray coverage	olume of water to ensure e of fruit and leaf surfaces. Adjust size of the tree canopy, Use
Number: 1 Author: mwalsh02		Date: 9/6/2018 2:28:23 PM	—
	•	canopy has to do with ground application.	3-2
Number: 2 Author: drate bullet text as above.	Subject: Sticky Note	Date: 9/6/2018 4:40:13 PM	
Number: 3 Author: drate	Subject: Highlight	Date: 9/6/2018 4:41:44 PM	_
Please confirm the math.	→ → → → → → → · · · · · · · · · · · · ·		3 03 lb. a.i. per acre per
Number: 4 Author: mwalsh02	Subject: Sticky Note	Date: 9/6/2018 2:29:39 PM	
Revise the rate to match the c	ited product *2.156 to	2.875"	

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
mealybugs pear psylla scales	34.5 – 46.0	2.16 - 2.68 (1.5 – 2.0)	Apply by ground application using a minimum of 80 gallons of water per acre.  For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.
ž.			Pear psylla, for best results of controlling 1st and 2nd instars, apply pre-bloom or at petal fall. In-season, apply when smaller pear psylla nymphs are present. Tank mix with adulticide for optimum control.      mealybugs or San Jose scale, apply pre-bloom or at first crawler emergence.      other scales, apply at early crawler emergence.
			Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use sigher volumes for dense canopies.
			Phytotoxicity may occur in Asian pear varieties but is normally limited to applications made prior to petal fall.

### Restrictions:

Do not apply more than 2 applications per growing season.

The minimum spray interval is 7 days.

Do not use more than 69.0 oz. of this product per acre per growing season (3.0 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 14 days.

	Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
	mealybugs soft scales European fruit lecanium scales frosted scale	34.5	2.16 (1.5)	Apply by ground application using a minimum of 100 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.
		2000		RECOMMENDATIONS
				<ul> <li>mealybugs, apply at beginning of crawler emergence. This product is most effective on early developmental stage of mealybugs.</li> </ul>
age: 11		ı		<ul> <li>scales, apply a beginning of crawler emergence of the scale generation being geted.</li> <li>coverage is essential.</li> </ul>
	thor: mwalsh02 Subject:	Sticky Note Date: 9	/6/2018 2:31:47 PM	Coverage is essential.
Number: 2 Au	7.7.436.00	Sticky Note Date: 9	1/6/2018 A:A0:05 DM	
	for low-volume sprayers.	See most recent app	proved cited produc	for language.
	thor: mwalsh02 Subject:	Sticky Note Date: 9		ng season (3.0 lb. a.i. per acre per
		Sticky Note Date: 9	Carcar Managaran School	

rome rium (Grop Group 11-10) except pear and Asian pear (see separate directions for pear and Asian pear) apple, azarole, crabapple, loquat, mayhaw, medlar, quince, Chinese quince, Japanese quince, tejocote; cultivars, varieties, and/or hybrids of these.

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
leafhoppers	9.0 - 12.0	0.56 - 0.75 (0.4 - 0.53)	Apply by ground application paining a minimum of 80 gallons of water per acre.  For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.  RECOMMENDATIONS  San Jose scale, apply at dormant, delayed dormant, pre- bloom or in-season at early crawler emergence.  other scales, apply at early crawler emergence.  mealybugs, apply at dormant, delayed dormant to petal fall when nymphs are present. Apply in-season at early crawler gemergence.  Gowlers coverage is essential
mealybugs scales	34.5	2.10A (1.5)	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.

### Restrictions:

Page:

Revise to match cited "2.156".

Do not apply more than 1 application per growing season.

Do not use more than 34.5 oz. of this product per acre per growing season (1.5 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 14 days.

_		-						
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_	•		•		<b>a</b> 1	10	w	-

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
whiteflies	12 .0– 34.5	0.75 – 1.5)	Apply by ground application using a minimum of 50 gallons of water per acre.  For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.

# Page: 12

	-54		
Number: 1 Author: mwalsh02	Subject: Sticky Note	Date: 9/6/2018 2:38:39 PM	
Revise to match cited *0.75 - 2	2.156*		
Mumber: 2 Author: mwalsh02	Subject: Sticky Note	Date: 9/6/2018 2:40:37 PM	whiler emergence during the summer.
Revise to match cited.			n Jose scale, apply at dormant, delayed
Number: 3 Author: mwalsh02	Subject: Sticky Note	Date: 9/6/2018 2:39:26 PM	rmant, pre- bloom or in-season at early
Revise rate to match cited "2.1	16 - 2.875*		wler emergence.
Number: 4 Author: mwalsh02	Subject: Sticky Note	Date: 9/6/2018 2:47:44 PM	iteflies, apply at early nymph
Per the cited, revise to "2.156"			eshold,
Number: 5 Author: drate	Subject: Highlight	Date: 9/6/2018 4:53:32 PM	her scales, apply at early crawler
revise to 1.5			nergence.
			solvhuge applywhen early crawler

34.5 – 46.0	2.16 - 2.80 (1.5 - 2.0)
	34.5 – 46.0

....alybugs, apply when early crawler pergence occurs.
Good ay coverage is essential.

Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the canopy, Use higher volumes for dense canopies.

### Restrictions:

Do not apply more than 2 applications per growing season.

The minimum spray interval is 14 days.

Do not use more than 69.0 oz. of this product per acre per growing season (3.0 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 14 days.

Stone Fruits (Crop Group 12) apricot, sweet cherry, tart cherry, nectarines, peach, plum, chickasaw plum, damson plum, Japanese plum, plumcot, prunes (fresh).

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
mealybugs scales	34.5	2.16 A	Apply by ground application using a minimum of 50 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.  RECOMMENDATIONS  • * San Jose scale, apply at dormant, delayed dormant, pre- bloom when scale is in the black cap stage or in-season at early crawler emergence.  • other scales, apply at early crawler

emergen

mealybugs, apply when early crawler emergence occurs.

nod spray coverage is essential.

se a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.

### Restrictions:

Do not apply more than 2 applications per growing season.

The minimum spray interval is 14 days.

Do not use more than 69.0 oz. of this product per acre per growing season (3.0 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 14 days.

Pree Nuts (Crop Group 14) almonds, beechnuts, Brazil nuts, butternuts, cashews, chestnuts, chinquapins, filberts, hickory nuts, macadamia nuts, pecans, walnuts {black and

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
mealybugs	34.5 – 46.0		Bipply by ground application using a minimum of 100 gallons of water per acre.  For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.  RECOMMENDATIONS  San Jose scale, application can be made at dormant, delayed dormant, pre- bloom when scale is in the black cap stage or inseason at early crawler emergence.  other scales, apply at early crawler emergence or when scales are of a susceptible early nymphal stage.  mealybugs, Application should be made when early crawler emergence occurs.  days to gray coverage is essential.  Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.  Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.

#### Restrictions:

Do not apply more than 1 application per growing season.

Do not use more than 46.0 oz. of this product per acre per growing season (2.0 lb. a.i. per acre per Page: 13

growing season).

Pre-Harvest Interval (PHI) is 60 days.

Number: 1 Author: drate	Subject: Sticky Note	Date: 9/6/2018 4:58:24 PM
Revise to match cited.		
Number: 2Author: drate	Subject: Highlight	Date: 9/6/2018 4:56:35 PM
Revise Header to "Tree Nuts	(Crop Group 14) Plus I	Pistachio"
Number: 3Author: mwalsh02		
	Subject: Sticky Note	Date: 9/6/2018 2:50:26 PM
Number: 3Author: mwalsh02	Subject: Sticky Note 156 - 2.285*	

Tomatoes (Greenhous

Pest	es (Greenno	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
12.000.000.000	opper /bugs noppers	9.0 0.56 (0.4)		For greenhouse tomatoes, apply by ground on 2 act minimum with 20 gallons of water per acre.  RECOMMENDATIONS  • apply when populations level reaches apply when populations level reaches agricultural authorities for specific details. Good spray coverage is essential.
white		6.0 - 9.0	0.38 - 0.56 (0.26 - 0.4)	in sufficient water to obtain complete coverage of all plant parts.  Applications may be made with high volume, low volume or ultra-low volume (thermal and non-thermal foggers, misters, etc.) ground equipment only. Follow the spray equipment manufacturer's directions to determine the amount of spray solution required to obtain thorough coverage. Consult the spray equipment manufacturer's operator's manual, spray nozzle catalogs and/or your crop advisor for more information.
Subject: Sticky Note Date: 9/6/2018 2:55:06 PM Subject: Sticky Note Date: 9/6/2018 2:55:32 PM		nterval is 5 day 18.0 oz. of thi PHI) is 1 day. 1, atemoya, av it, soursop, s	s product per ac	cycle.  cre per growing cycle (0.8 lb. a.i. per acre) per  chermoya, custard apple, feijoa, guava, ilama, apple and wax jambu.
Sub	ं द्वी 🕱	Rate oz./acre	Rate of This Product	Application Instructions

**Bullet and indent as above** Number: 3 Author: drate

### PHI) is 1 day.

Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions		
34.5	2.156 (1.5)	Apply by ground application using a minimum of 20 gallons of water per acre.  For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.		
		RECOMMENDATIONS     scale and mealybugs, begin applications at early crawler emergence.		
9. 0 - 12.0	0.56 - 0.75 (0.4 - 0.53)	Good spray coverage is essential.		

#### Restrictions:

leafhoppers mealybugs whiteflies

Number: 2Author: mwalsh02

**Bullet and indent.** 

Number: 1 Author: mwalsh02

Bullet and indent.

### Limited to Florida, Hawaii and Puerto

Do not apply more than 2 applications per growing season.

The minimum spray interval is 14 days.

Do not use more than 49 oz of this product per acre per growing season (3.0 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 21 days.

# Tropical Crops; black sapo., canistel, mamey sapote, mango, papay., sapodilia, star apple.

Pest		74	Rate oz./acre	Rate of This Product Ib./acre (Ib. al/acre)	Application Instructions
			9. 0 - 12.0	0.56 - 0.75 (04 0.53)	Apply by ground application using a minimum of 20 gallons of water per acre.  For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.
W S	M 6	*			RECOMMENDATIONS  • mealybugs and scales, apply at early crawler emergence for best control.  prood spray coverage is essential.
: Highlight Date: 9/6/2018 5:06:05 PM	Date: 9/6/2018 5:06:29 PM	e tha	nterval is 14 d	ons per growing ays.	*
Highlight	: Highlight		PHI) is 3 days	s. mbutan, Spani	sh lime.

Rate oz./acre	Rate of This Product Ib./acre (lb. ai/acre)	Application Instructions
34.5	2 <mark>.16</mark> (1.5)	Apply by ground application using a minimum of 75 gallons per acre spray volume.  For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.

re than 2 applications per growing season.

ray interval is 14 days.

thar 359 02 of this product per acre per growing season (3.0 lb. a.i. per acre per

growing season).

Number: 3 Author: drate

69.0 oz.

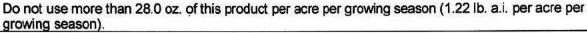
Pre-Harvest Interval (PHI) is 21 days.

Ornamental Plants in greenhouses; lath and shadehouses; nurseries; landscape ornamentals; ground covers; field-and container-grown ornamentals; non-bearing fruit and nut trees and vines in nurseries: Christmas trees.

Pest	Rate oz./acre	Rate of This Product Ib./acre (Ib. ai/acre)	Application Instructions
leafhoppers mealybugs planthoppers	12.0	0.75 (0.53)	RECOMMENDATIONS For best results, apply when population level reaches economic threshold. Apply in sufficient water to obtain complete, uniform coverage of all plant parts including stems and underside of leaves. Spray to point of runoff. Applications may be made with high volume, low volume or ultra-low volume (thermal and non-thermal foggers, misters, etc.) ground equipment only. Follow the spray equipment manufacturer's directions to determine the amount of spray solution

			required to obtainorough coverage. Consult the spray equipment manufacturer's operator's manual, spray nozzle catalogs and/or your crop advisor for more information.
scales	14.0	0.88 (0.61)	For optimum control of  • whiteflies, leafhoppers or planthopper, apply as soon as adult insects begin to appear.  • scales, apply at early crawler emergence.  • mealybugs, apply as soon as insect activity is observed.
whiteflies	6.0	0.38 (0.26)	Good spray coverage is essential.  If additional insecticide applications are required for control, use another class of chemistry or a different Insect Growth Regulator (IGR) with a different mode of action before making subsequent applications of buprofezin.  Consult local and state agricultural authorities for specific details.

Do not apply more than 2 applications per growing season.



#### STORAGE AND DISPOSAL

ite water, food or feed by storage and disposal.

RAGE: Store in original container in a cool, dry and secure location.

OSAL: Wastes resulting from the use of this product must be disposed on oved waste disposal facility.

:kaging:]

NDLING: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. **Triple rinse as** ne remaining contents into application equipment or a mix tank. Fill the ith water and recap. Shake for 10 seconds. Pour rinsate into application ix tank. Drain for 10 seconds after the flow begins to drip. Repeat this pre times. **Pressure rinse as follows**: Empty the remaining contents into ment or a mix tank. Hold container upside down over application equipment lect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after drip. Then, offer for recycling if available or puncture and dispose of in a r by incineration, or if allowed by State and local authorities, by burning. If of smoke.

Liners:]

NDLING: Nonrefillable container. Do not reuse or refill this container.

/ liner by shaking and tapping sides and bottom to loosen clinging particles.

o the handling or application equipment. Then offer for recycling if available,
in a sanitary landfill, or by incineration, or by burning, if allowed by state
es. If burned, stay out of smoke. If drum is contaminated and cannot be
if it in the manner required for its liner.



#### IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS**: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Aceto Agricultural Chemicals Corporation. To the extent consistent with applicable law all such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, ACETO AGRICULTURAL CHEMICALS CORPORATION MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Aceto Agricultural Chemicals Corporation is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, ACETO AGRICULTURAL CHEMICALS CORPORATION DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT ACETO AGRICULTURAL CHEMICALS CORPORATION'S ELECTION, THE REPLACEMENT OF PRODUCT.

All trademarks are proprietary of their respective owners.

[Made in [Japan][China] [packaged in USA]. [Active ingredient made [and formulated] in [Japan][China], [formulated in USA] [and] [package in USA]].

#### Walsh, Michael

From: Sent:

John Wright <i wrightch@comcast.net> Wednesday, August 29, 2018 8:47 AM

To:

Walsh, Michael

Cc: Subject: Rate, Debra

Attachments:

RE: 2749-LIT. Label Comments. 002749-00LIT.20180828.Bufprfezin70WDG IGR Proposed.pdf

Mike,

I have made all the changes requested except for the last one #6 on page 16. The math is correct since the expression is for lbs. of active ingredient not product. This is consistent wit all the other locations.

Please let me know if you need anything else here.

RESUBMISSION ON 8/

From: Walsh, Michael < Walsh. Michael@epa.gov>

Sent: Thursday, August 23, 2018 5:30 PM To: john Wright <jwrightch@comcast.net> Cc: Rate, Debra <Rate.Debra@epa.gov> Subject: 2749-LIT. Label Comments.

Hi John.

LABER COMMENTS MADE ON 8/23/18

Please see the attached letter and label with comments.

Please note that I will be out of the office tomorrow (Friday) and Monday.

The current PRIA Due Date for this action is September 10, 2018.

If you have any questions, please let me know.

Thank you for your prompt attention to this matter.

Mike

RESUBMISSION 5#, 1024267

#### Comments to John Wright Agent for 2749-LIT incorporated into a PDF and sent via email on 8/23/2018

Page 2 - Add the term "exist" here for the statement to read, "If no such instructions for washables exist, use detergent and hot water."

- Page 3 in the Ag Use Requirements box Check this against cited product language.
- Page 3 The Product Information section does not match the cited.
- Page 3 In the Insects Controlled section, remove bod from "c" in citrus.
- Page 3 and Page 4 Bold or underline subheaders in the insect scales section.
- Page 4 Bold the text "USE RESTRICTIONS".
- Page 4 Bod the text "USE PRECAUTIONS".
- Page 5 Why is the Spray Drift Reduction section appears before the application directions.
- Page 5 For clarity, bod the subheaders under the Spray Drift Reduction section.
- Page 6 With regard to the Use Rate Equivalency section that the 75-Day Letter sent to him indicated that the product label should be identical/substantially similar to the cited product, and asked where this new Table is found on the cited product.
- Page 6 The Mixing Instructions are not virtually identical/substantially similar to the cited product.
- Page 6 Remove the reference to the formulation type "water dispersible granule" which does not appear on the cited product label.
- Page 6 -The cited product is divided into use of the product alone or with tank mixtures.
- Page 6 The Tank Mixtures section is not virtually identical or substantially similar to the cited product.
- Page 7 The use site index does not appear on the cited product. It is not appropriate to have this information on page 7 of the label as part of the Directions for Use.
- Page 7 and throughout the label clarify that the rate lb acre (lb ai/acre) is for this product.
- Page 7 and throughout the label rephrase the "Apply a minimum spray solution of 15 gallons per acre by ground" for clarity. See cited for reference.
- Page 7 and throughout the label, revise the header "For best results." to read "Recommendations". The phrase "For best results" is not seen on the cited product.
- Page 8 and throughout the label, revise the "per year" in the Restrictions section to read "per growing season." See cited product.
- Page 10 The Grapes (AZ and CA Only) table does not appear on the cited product. As presented, separating these instructions from the general Grape use directions may cause user confusion, and represents a potential for misuse.

NOTE: The comments on the highlighted label provided to the registrant included dozens of repeat comments related to the Directions for Use.

### Buprofezin 70WDG IGR

Insect Growth Regulator for use on Bananas, Coffee, Citrus Fruits, Grapes, Olives, Pears, Asian Pears, Persimmon, Pistachios, Pome Fruit, Pomegranates, Stone Fruits, Tomatoes (greenhouse) Tree Nuts. Tropical Crops, Ornamentals (greenhouse and outdoor) and Christmas Trees.

% BY WT

ACTIVE INGREDIENT:

Buprofezin: 2-tert-butylimino-3-isopropyl-5-phenyl-1,3,5-thiazinan-4-one......70.0% OTHER INGREDIENTS: 30.0%

EPA Reg. No. 2749-LIT EPA Est. No.

Net Contents:

Manufactured for: Aceto Agricultural Chemicals Corporation 4 Tri Harbor Court

Port Washington, NY 11050

See [inside booklet] [back panel] for [First Aid], Precautionary Statements] [and] [Directions for use]

Read "LIMIT OF WARRANTY AND LIABILITY" before buying or using. If terms are not acceptable, return at once unopened.

### KEEP OUT OF REACH OF CHILDREN CAUTION

	FIRST AID
if swallowed	<ul> <li>Call poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
If on skin or clothing	<ul> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
If inhaled	<ul> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth to-mouth, if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
If in eyes	<ul> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>

Have the product container or label with you when calling a poison control center or doctor or going for treatment. FOR EMERGENCY MEDICAL HELP, CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887.

NOTE TO PHYSICIAN: There is no specific antidote. All treatment should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred.

FOR CHEMICAL SPILL, LEAK, FIRE, EXPOSURE OR MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887.







Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling, and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before reuse.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

#### Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- · Shoes plus socks

#### STATEMENTS FOR CONTAMINATED PPE

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables detergent and hot water. Keep and wash PPE separately from other laundry.

#### **ENGINEERING CONTROLS**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

#### **USER SAFETY RECOMMENDATIONS**

Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing, As soon as possible, wash thoroughly and change clothing.

#### **ENVIRONMENTAL HAZARDS**

For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

#### **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that it will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

# Summary of Comments on US EPA, Pesticide Product Label, RIMON 0.83 EC INSECTICIDE,07/22/2015

Page: 2

Number: 1 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 8:32:13 AM

Add the term "exist" here for the statement to read, "If no such instructions for washables exist, use detergent and hot water."



#### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training,

on, and emergency assistance. It also contains specific instructions and ne statements on this label about personal protective equipment (PPE), and ne requirements in this box only apply to uses of this product that are covered tandard.

er entry into treated areas during the restricted entry interval (REI) of 12 hours.

ry to treated areas that is permitted under the Worker Protection Standard and anything that has been treated, such as plants, soil, or water is:

#### E REQUIREMENTS

box apply to uses of this product that are NOT within the scope of the Worker gricultural pesticides (40 CFR Part 170). The WPS applies when this product altural plants on farms, forests, or greenhouses. For other uses, including golf pricultural uses, do not enter treated areas without protective clothing until

#### PRODUCT INFORMATION

growth regulator effective against the nymphal stages of whitefly, s, planthoppers, and leafhoppers by inhibiting chitin biosynthesis, of adults, and reducing viability of eggs. This product is not an activity may be slower than typical contact insecticides as treated emain alive on the plant for 3-7 days; however, pests have stopped damage during this time is typically very low.

ptive to beneficial insects and mites.

t insecticide which requires good uniform through coverage of followers use by ground or air in sufficient water volume to obtain through tems and underside of foliage. Orient nozzles to ensure good coverage. If water will assure better coverage, especially under adverse conditions

ir, and/or a dense canopy. The entire field should be treated. Apply tions occur based on local information.

, Distribution, and/or Use in Nassau and Suffolk Counties of New York State.

, banded winged whitefly, greenhouse whitefly, silverleaf whitefly, sweet

alybug, citrus mealybug, comstock mealybug, Gill's mealybug, grape salybug, madeira mealybug, Mexican mealybug, obscure mealybug,

ioppers: brown planthopper, cherry leafhopper, Eastern grape d sharpshooter, potato leafhopper, variegated leafhopper, Western apple leafhopper

Page: 3

Date: 8/23/2018 11:46:16 AM

Subject: Sticky Note

Check this against cited product language.

Number: 2 Author: mwalsh02

Does not match cited

Number: 3 Author: mwalsh02

check bold forma

Number: 4 Author: mwalsh02

oold or underline this

scales: parnacle scale, black scale, brown soft scale, citricola scale, European fruit lecanium scale, false oleander scale, frosted scale, hemispherical scale, Indian wax scale and other wax

scales, tessell scale, white peach scale

bisduval scale, cactus scale, California red scale, coconut scale, fern scale, armored scales Florida red scale, ovstarshell scale, San Jose scale, walnut scale margarodid scale: cony cushion scale

## USE RESTRICTIONS

- This product is not for sale, sale into, distribution, and or use in Nassa New York state.
- Do not apply this product through any type of irrigation system.
- Not for use in residential greenhouses.

#### Crop Rotational Restrictions:

CROP	PLANTBACK TIM
All crops registered for use with buprofezin	0 days following a
Cereal grains	30 days following
All other crops	60 days following



#### USE PRECAUTION:

- Apply in a minimum finished spray volume of 5 gallons per acre by air per acre by ground, refer to Application Instruction section.
- Phytotoxicity may occur in Asian Pear varieties, normally limited to ap made prior to petal fall.

#### RESISTANCE MANAGEMENT

For resistance management, this product contains a Group 16 insecticide. Any i contain individuals naturally resistant to this product and other Group 16 insectic individuals may dominate the insect population if this group of insecticides are u fields. Appropriate resistance-management strategies should be followed.

To delay insecticide/acaricide resistance, take the following steps:

- Rotate the use of this product or other Group 16 insecticides within a gr growing seasons, with different groups that control the same pests.
- Use tank mixtures with insecticides from a different group that are equa pest when such use is permitted. Do not rely on the same mixture reper population. Consider any known cross-resistance issues (for the targete individual components of a mixture. In addition, consider the following reby the Insecticide Resistance Action Committee (IRAC):
  - Individual insecticides selected for use in mixtures should be hi at the rates at which they are individually registered for use aga
  - Mixtures with components having the same IRAC mode of actic recommended for insect resistance management.
  - When using mixtures, consider any known cross-resistance iss components for the targeted pest(s).
  - Mixtures become less effective if resistance is already developi ingredients, but they may still provide pest management benefi
  - The insect resistance management benefits of an insecticide rr components have similar periods of residual insecticidal activity with unequal periods of residual insecticide activity may offer a management benefit only for the period where both insecticide
- Adopt an integrated pest management program for insecticide/acaricide uses historical information related to pesticide use crop rotation, record considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.

Subject: Sticky Note or underline this subhea Number: 1 Author: mwalsh02

Number: 2 Author: mwalsh02 bold or underline this subhe

Subject: Sticky Note Number: 3 Author: mwalsh02

Date: 8/23/2018 11:47:15 AM

Subject: Sticky Note Date: 8/23/2018 11:49:48 AM

Contact your local extension specialist or certified crop advisors for any -certified resistance management and/or IPM recommendations for the specific site and per

For further information or to report suspected resistance contact Aceto 6000.

See specific crop Use Directions for maximum single application rate, annual n applications and amount of active ingredient.

SPRAY DRIFT REDUCTION MANAGEMENT

Do not apply when wind speed favors drift beyond the area intended for treatm equipment and weather-related factors determine the potential for spray drift. for considering all of these factors when making application decisions. Avoidin responsibility of the applicator.

Importance of Droplet Size: An important factor influencing drift is droplet size. Small droplets (<150 - 200 extent than large droplets. Within typical equipment specifications, application the largest droplet spectrum that provides sufficient control and coverage. Us spray nozzles (for ground and non-ULV aerial application) according to ASAI nozzles. In conditions of low humidity and high temperatures, applicators sho

Ground Applications: Wind speed must be measured adjacent to the application site on the upwinc application. For ground boom applications, apply using a nozzle height of no ground or crop canopy. For airblast applications, turn off outward pointing no spraying the outer two (2) rows. To minimize spray loss over the top in orcha directed into the canopy.

Aerial Applications: The spray boom should be mounted on the aircraft so as to minimize drift ca minimum practical boom length should be used and must not exceed 75% c diameter. Flight speed and nozzle orientation must be considered in determ Spray must be released at the lowest height consistent with pest control and spray at a height greater than 10 feet above the crop canopy unless a great safety. When applications are made with a cross-wind, the swath will be dis The applicator must compensate for this displacement at the downwind edg adjusting the path of the aircraft upwind. Making applications at the lowest h exposure of the droplets to evaporation and wind.

Wind Speed Restrictions:

Drift potential increases at wind velocities of less than 3 mph (due to invers mph. However, many factors, including droplet size, canopy and equipmen potential at any given wind speed. Only apply this product if the wind direct Do not apply when wind velocity exceeds 15 mph and avoid gusty and win-Risk of exposure to sensitive aquatic areas can be reduced by avoiding ap toward the aquatic area.

Restrictions During Temperature Inversions Do not make ground applications during temperature inversions. Drift pote inversions. Temperature inversions restrict vertical air mixing, which cause remain close to the ground and move laterally in a concentrated cloud. Te characterized by stable air and increasing temperatures with altitude and : cloud cover and light to no wind. They begin to form as the sun sets and c

Their presence can be indicated by mist or ground fog; however, if fog is 1.... identified by the movement of smoke from a ground source. Smoke that layers and moves laterally near the ground surface in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical mixing.

APPLICATION DIRECTIONS

Applications should be made immediately after the spray solution is 'prepared. Thorough spray coverage is essential for effective control. Applications may be made with high or low volume spray equipment that

Date: 8/23/2018 11:50:34 AM Subject: Sticky Note Date: 8/23/2018 11:50:50 AM Subject: Sticky Note Number: 3 Author: mwalsh02 Number: 4 Author: mwalsh02

Date: 8/23/2018 10:07:12 AM

does the spray drift information appear before the application directions?

Sticky Note

Subject:

mwalsh02

2

Subject: Sticky Note Date: 8/23/2018 11:51:13 AM Number: 6Author: mwalsh02

Subject: Sticky Note Date: 8/23/2018 11:51:03 AM

Number: 5 Author: mwalsh02

bold subheade

**Jumber: 7 Author: mwalsh02** 

provides thorough coverage of the plant. Apply with properly calibrated spray equipment. For best results, apply when pest populations are beginning to build, before reaching economic thresholds.

Consult your local agricultural advisor, or state cooperative extension service for guida

Use Rate Equivalency



Since this product contains 70% w/w buprofezin active ingredient (a.i.) per pound of p table expresses the use rate equivalency of oz. of this product in terms of lb. active in basis.

oz. of product per acre	lb. product per acre	lb. a.i. per acre
6	0.38	0.26
7	0.44	0.31
9	0.56	0.4
12	0.75	0.53
14	0.88	0.61
18	1.12	0.8
23	1.44	1.0
24	1.5	1.05
27	1.68	1.18
28	1.76	1.22
34.5	2.16	1.5
45	2.81	1.97
46	2.88	2.0
60	3.75	2.63
69	4.31	3.02
91	5.69	3.98
92	5.75	4.0

#### MIXING INSTRUCTIONS

Buprofezin 70 WDG IGR is a water dispersible granule designed to be diluted with we the specific crop use directions. Fill the spray tank with approximately ½ of the desire carrier. With the agitation operating, add the specified amount of the formulation as li crop use directions. Complete the filling process while maintaining agitation. Removing tank immediately after filling to avoid siphoning back into the carrier source. A and other spray additives as the last ingredients in the tank. Allow time to fully disper

Since this product forms a suspension in water, it is important to maintain good agitat spraying. If the spray suspension is allowed to settle for a short period of time, be sur suspension for a minimum 10 minutes. Apply spray solutions within 24 hours after min

#### TANK MIXTURES



To improve this product's effectiveness, apply in combination with other pesticide proregistered for the same crop and application techniques. For current information on to partner in your area, consult with the local dealer, distributor or State Agricultural Ext

It is the pesticide user's responsibility to ensure that all products in the listed mixture intended use. Users must follow the most restrictive directions for use and precautic each product in the tank mixture.

If this product is to be tank mixed with other pesticides, conduct a compatibility test small container and mix all components in a small amount, usually 0.5 to 1qt. of spr in the same ratio and order of addition as in the proposed spray mixture. Observe the mixture for indication of incompatibility which usual occurs in 10 to 30 minutes after mixing. If incompatibility is observed, try changing the order of addition of the components. The guideline on tank mixture partners is driven by formulation type. Start with water dispersible granules (WDG's), wettable powders (WP's) including water soluble bags (WSB's), suspension concentrated (SC's) or flowable (F's), all with very good agitation. Next

The 75 day letter sent to you indicated that this new product label should be virtually identical to the cited product label. Where is this Use Rate Equivalency Date: 8/23/2018 10:04:09 AM Number: 1 Author: mwalsh02

Table found on the cited product label?

Number: 2 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 11:52:55 AM

The cited product is divided into use of the product alone or with tank mixtures.

The formulation type is not identified on the cited product and should be removed

Number: 3 Author: mwaish02

Number: 4 Author: mwalsh02

This information is not virtually identical to the cited product. Revise accordingly,

Date: 8/23/2018 10:17:36 AM

82

follow with water miscible conadditives, nonionic surfactants be a homogeneous suspensic of components. If any indication

SPRAY COVERAGE: All parts not occur. Higher water volum your local agricultural speciali: your region.

#### Crop

Bananas

Coffee

Citrus fruit Group 10

Citrus fruit Group 10 FL/TX

Grapes

Olives

Pears, Asian pears

Persimmon

**Pistachios** 

Pome fruit Group 11-10 (e)

**Pomegranates** 

Stone fruit Group 12

Tomato (Greenhouse)

Tree Nut Group 14

Tropical Crops; acerola, ate chenmoya, custard apple, fpassion fruit, soursop, starf

Tropical Crops; black sapot mango, papaya, sapodilia, :

Tropical Crops; longan, pul: Ornamentals (greenhouse a

Christmas trees

The use rate for this product is Rate lb. /acre.

The pre-harvest interval (PHI) and the harvesting of the cror

The application spray volume

Number: 1 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 10:18:42 AM
This use site index does not appear on the cited product. It is not appropriate to have this information on page 7 of the label as part of the Directions for ë

Date: 8/23/2018 11:40:10 AM Date: 8/23/2018 11:58:14 AM Date: 8/23/2018 12:00:45 PM Here and throughout the labe Rephrase for clarity. See cited Number: 5 Author: mwalsh02 Change this header to "Recor for clarity

to "Recommendations" in bold as seen on the cited product here and where it appears elsewhere on the label

s (EC's) pefore adding drift control "s). After vigorous agitation, there must observe for any rapid settling or floating do not use this mixture for spraying.

ly coverage or else desired result may rally provide better coverage. Consult ates, timings, and spray volumes for

ite Index

Page

product per acre as Rate oz. /acre and

en the last application of this product

is of liquid applied per acre (GPA).

#### Bananas

Pest	Rate oz./acre	Rate 1b./acrt (lb. ai/acre)	Application Instructions
leafhoppers mealybugs scales whiteflies	7.0	0.44 (0.31)	Apply aminimum spray solution of 15 gallons per acre by ground.  Apply a minimum spray solution of spanning on the spanning of spann

Pest

oz./acre

(lb. ai/acre)

Ib./acre

Rate

Application Instructions

Rate

juma mandarin; tangerine. fruit; kumquat; lemon; lime; in; citrus; citron; citrus hybrids

002749-00LIT.20180701.Buprofezin 70WDG IGR Proposed

armored scales soft scales

34.5-

46.0

2.16 – 2.88 (1.5 – 2.0)

acre by ground—

Apply a minimum spray so alons per acre Apply a minim 11 ay solution of 250 gallons per

Page 8 of 18

(1.5 -

Apply when population level reaches economic

threshold.

ns, such as hot,

dry weather and/or a

rage is essential. Use a higher volume better coverage especially under

lohn - restore this language to the table above. Separating it from the primary Grape use directions may cause user confusion.

Date: 8/23/2018 5:03:50 PM

Date: 8/23/2018 4:50:39 PM

per year" with "per growing season

Per the cited product, replace Number: 2 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 12:51:50 PM

Clarify that this is the rate for this product

Number: 4 Author: mwalsh02

Rephrase for clarity

Number: 5 Author: mwalsh02

Rephase for darrity

Number: 3 Author: mwalsh02

Subject: Sticky Note Date: 8/23/2018 12:47:48 PM

Subject: Sticky Note Date: 8/23/2018 12:48:08 PM

Change header per comments above

Number: 7 Author: mwalsh02

Number: 6 Author: mwalsh02

leafhopper		
mealybugs	9.0 – 12.0	0.56 - 0.75 (0.4 - 0.53)

Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will ensure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.

#### Restrictions:

Do not apply more than 2 applications per year.

Clarify that the statement following "black scale" related to black scale. Bold the text and/or consider using appropriate punctuation, or rephrase the

Subject: Sticky Note Date: 8/23/2018 12:50:41 PM

Date: 8/23/2018 12:50:22 PM

The minimum spray interval is 14 days.

Do not use more than 24. oz. of this product per acre per year (1.05 lb. a.i. per acre per year).



Rate lb./acre lb. ai/acre)	Application Instructions		
1.5 (1.05)	Apply a minimum spray solution of 50 gallons per acre by ground. Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy, Use higher volumes for dense canopies.  Apply a minimum spray solution of 5 gallons per acre by air.		
	For best results of		
	Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.		

product per acre per year (1.05 lb. a.i. per acre per year).

Rate Di lb./acre (lb. ai/acre)	Application Instructions
2.16 - 2.88 (1.5 - 2.0)	Apply a milim spray solution of 110 up to 500 gallons Apply a milim spray solution of 5 gallons per acre by air.  For best results of 5

**JDG IGR Proposed** 

		Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.
Restrictions:	2 applications per year	

Do not apply more than 2 applications per year.

The minimum spray interval is 50 days.

Do not use more than 92.0 oz. of this product per acre per year (4.03 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 21 days.

Pears (Group 11-10) pear; Asian pear	(4)
Pest Rate Rate oz./acre lb./a	Application Instructions
age: 11	aum spray solution of 80 gallons per
Number: 1 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 4:37:28 PM	mum solution of 5 gallons per acre
Per the cited product, replace "per year" with "per growing season"	=6
Number: 2 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 4:54:04 PM	Of
Remove the "(Group 11-10) pear" as this does not appear on the cited product.	nd 2 <sup>nd</sup> instar pear psylla, apply pre-
Number: 3 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 12:53:56 PM	om or at petal fall. In-season, apply
Clarify that this rate is for this product.	en smaller pear psylla nymphs are
Number: 4 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 12:54:14 PM	sent. Tank mix with adulticide for
Rephrase as per comments above.	
Taget Market State (Control of Control of Co	ybugs or San Jose scale, apply pre-
Number: 5 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 12:54:25 PM Rephrase as per comments above.	
	om or at firetgrawler emergence,
Number: 6Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 12:55:35 PM	er scale: ply at early crawler
Change header as per comments above.	ergence.
Number: 7 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 12:56:20 PM	-ient volume of water to ensure
Clarify this statement. What are these instructions for?	overage of fruit and leaf surfaces. Adjust
Number: 8 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 12:56:40 PM	—ied on size of the tree canopy, Use
Clarify. Same as above.	mes for dense canopies.
Number: 9 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 12:56:53 PM	
Clarify. Same as above.	ty may occur in Asian pear varieties but
Number: 10 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 4:38:27 PM	limited to applications made prior to
Per the cited product, replace "per year" with "per growing season"	
Number: 11 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 12:57:55 PM	10
Clarify that this rate is for this product.	
Number: 12 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 12:58:30 PM Clarify as per comments above.	Although M. St. Vol. Committee the assistance and the
	(3.0 lb. a.i. per acre per year).
Number: 13 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 12:58:43 PM Clarify this statement as per comments above.	
Number: 14 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 12:59:02 PM Change header as per comments above	

Pest	Rate oz./acre	Rate Ib./acre	Application Instructions
mealybugs soft scales European fruit lecanium scales frosted scale	34.5	2.16 (1.5)	Apply 12 num spray solution of 100 gallons per acre by ground 13 Apply a minimum pray solution of 5 gallons per acre by air.  For best results of 14

	<ul> <li>mealybuge, apply at beginning of crawler emergence. This product is most effective on early developmental stage of mealybugs.</li> <li>scales by a beginning of crawler emergence of the scale generation being targeted.</li> </ul>
- 2	Good spray coverage is essential.

The minimum spray interval is 14 days.

Do not use more than 69.0 oz. of this product per acre per year (3.0 lb. a.i. per acre per year).

Rate

Pre-Harvest Interval (PHI) is 14 days.

Rate

oz./acre

Pome Fruits (Crop Group 11-10) except pear and Asian pear (see separate directions for pear and Asian pear) apple, azarole, crabapple, loquat, mayhaw, medlar, quince, Chinese quince, Japanese quince, tejocote; cultivars, varieties, and/or hybrids of these.

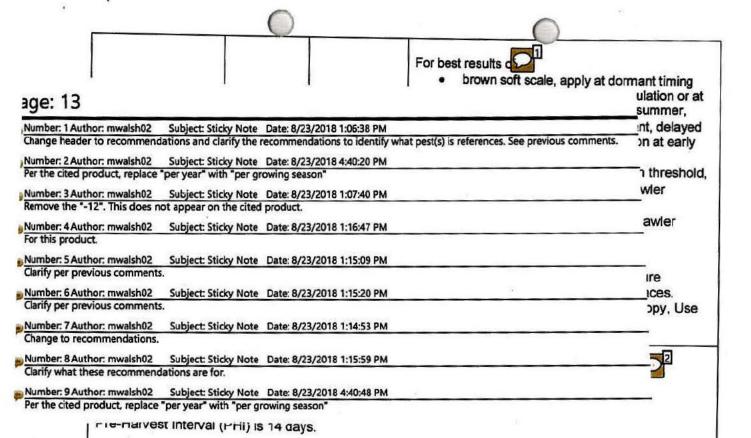
	No.		(lb. ai/acre)	
	leafhoppers	9. 0 - 12.0	0.56 - 0.75	Apply a mum spray solution of 80 gallons per acre by ground. For low-volume sprayers use a
age: 12	2			is per acre.  ay solution of 5 gallons per acre
Number: 1 A	uthor: mwalsh02 Su	ubject: Sticky Note Date: I	8/23/2018 12:59:56 PI	M
Clarify by wh	nat this information re	lates to as mentioned in p	previous comments.	<b>=</b> 77
Number: 2 A	uthor: mwalsh02 Su	ubject: Sticky Note Date:	8/23/2018 1:00:13 PM	8
	this information relate			a oply at dormant, delayed
Number 3 A	uthor: mwalsh02 Si	ubject: Sticky Note Date:	9/22/2019 A:29:57 DM	- bloom or in-season at early
	, replace "per year" w	rgence,		
		, apply at early crawler		
	uthor: mwalsh02 So his is for this product.	ubject: Sticky Note Date:	8/23/2018 1:03:36 PM	
- 8 117-219	-Stephill Lie			apply at dormant, delayed
		ubject: Sticky Note Date:	8/23/2018 1:02:04 PM	d →etal fall when nymphs are
Clarity as pe	r previous comments.	•		oly in-season at early crawler
		ubject: Sticky Note Date:	8/23/2018 1:02:16 PM	
Clarify as pe	r previous comments.	•		je is essential
Number: 7A	uthor: mwalsh02 S	ubject: Sticky Note Date:	8/23/2018 1:02:51 PM	1
Change hea	der to "Recommenda	tions"		ime of water to ensure thorough
Number: 8A	uthor: mwalsh02 S	i leaf surfaces. Adjust volume		
Clarify - wha	at are these recomme			tree canopy, Use nigher
Number: 9A	uthor: mwalsh02 S	ubject: Sticky Note Date:	8/23/2018 4:39:44 PM	anopies.
Per the cited	d, replace the "per yea	ar" with "per growing seas	on".	
Number: 10			lote Date: 8/23/2018	3 1:04:53 PM
Clarify that t	this rate is for this pro	duct.	16.0	
Number: 11	Author, mwa	alch02 Subject Sticky M	lote Date: 8/23/2018	i. per acre per year).

Pest	Rate oz./acre	Rate lb./acre (lb. ai/acre)	Application Instructions
whiteflies	12 .0- 34.5	0.75 - 2.16 (0.53 - 1.5)	Apply a min spray solution of 50 gallons per acre 12 uno.  Apply hinimum spray solution of 5 gallons per acre by air.

Clarify as seen in previous comments.

Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 1:05:24 PM

**Application Instructions** 



Stone Fruits (Crop Group 12-1 pricot, sweet cherry, tart cherry, nectarines, peach, plum, chickasaw plum, damson plum, Japanese plum, plumcot, prunes (fresh).

Pest	Rate oz./acre	Rate 4 lb./ac (lb. ai/acre)	Application Instructions
mealybugs scales	34.5	2.16 (1,5)	Apply a reprism spray solution of 50 gallons per acre by arc.  Apply a spray solution of 5 gallons per acre by air.  For best results of second dormant, pre-bloom when scale is in the black cap stage or in-season at early crawler emergence,  other scales, apply at early crawler emergence,  mealybugs, apply when early crawler emergence occurs.  Good spray coverage is essential.  Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.  Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.

#### Restrictions:

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 69.0 oz. of this product per acre per year (3.0 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 14 days.





Tree Nuts (Crop Group 14) almonds, beechnuts, Brazil nuts, butternuts, cashews, chestnuts, chinquapins, filberts, hickory nuts, macadamia nuts, pecans, walnuts {black and English} and pistachios.

	nglish} and pistach Pest	Rate oz./acre	Ra lb./a (lb. ai/acre)	Application Instructions
	mealybugs scales	34.5 – 46.0	2.16 - 2.88 (1.5 - 2.0)	Apply a minimum spray solution of 100 gallons per acre by ground.  Apply a minimum spray solution of 5 gallons per acre by air.  For best results of  San Jose scale, apply t dormant, delayed dormant, pre- bloom when scale is in the black cap stage or in-season at early crawler emergence or when scales are of a
	ation,	Number: 6 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 4:41:15 PM  Per the cited product, replace "per year" with "per growing season"  Number: 7 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 1:24:03 PM  Clarify. Rephrase to "Greenhouse Tomatoes" or "Tomatoes (Greenhouses Only)" or similar clear language so as to help prevent misuse.  Number: 8 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 1:22:23 PM	ar.	susceptible early nymphal stage,
roduct.	Subject: Sticky Note Date: 8/23/2018 1:17:15 PM Subject: Sticky Note Date: 8/23/2018 1:17:31 PM Subject: Sticky Note Date: 8/23/2018 1:18:06 PM Jations* Subject: Sticky Note Date: 8/23/2018 1:18:45 PM For See cited product presentation of this information.	Subject: Sticky Note Date: 8/23/2018 4:41:15 PM per year" with "per growing season"  Subject: Sticky Note Date: 8/23/2018 1:24:03 PM se Tomatoes" or "Tomatoes (Greenhouses Only)" or Subject: Sticky Note Date: 8/23/2018 1:22:23 PM	Subject: Sticky Note Date: 8/23/2018 1:21:44 PM ate. 6-23/2018 1:21:44 PM	Application Instructions  Apply by ground on 2 acre minimum with spray solution of 20 gallons per acre.  For best results,  apply when populations level reaches economic threshold. Consult local and state agricultural authorities for specific details.  Good coverage is essential.
Clarify that this rate is for this product.	Number: 2 Author: mwalsh02 Subject: Sticky Note Clarify as per comments above.  Number: 3 Author: mwalsh02 Subject: Sticky Note Clarify as per comments above.  Number: 4 Author: mwalsh02 Subject: Sticky Note Change header to "Recommendations"  Number: 5 Author: mwalsh02 Subject: Sticky Note Clarify what these restrictions are for. See cited proceed.	<ul> <li>Number: 6 Author: mwalsh02</li> <li>Per the cited product, replace "per y</li> <li>Number: 7 Author: mwalsh02</li> <li>Sub Clarify. Rephrase to "Greenhouse To</li> <li>Number: 8 Author: mwalsh02</li> <li>Sub Clarify. That this is for this growth</li> </ul>	Change header.  Change header.  (+ 95.0	Apply in sufficient water to obtain complete coverage of all plant parts.  Applications may be made with high volume, low volume or ultra-low volume (thermal and non-thermal foggers, misters, etc.) ground equipment only. Follow the spray equipment manufacturer's directions to determine the amount of spray solution required to obtain thorough coverage. Consult the spray equipment manufacturer's operator's manual, spray nozzle catalogs and/or your crop advisor for more information.

Restrictions:

Do not apply more than 2 applications per growing cycle.

The minimum spray interval is 5 days.

Do not use more than 18.0 oz. of this product per acre per growing cycle (0.8 lb. a.i. per acre) per growing cycle.

Pre-Harvest Interval (PHI) is 1 day.

Tropical Crops; acerola, atemoya, avocado, binda, chermoya, custard apple, feljoa, guava, ilama, jaboticaba, passion fruit, soursop, starfruit, sugar apple and wax jambu.

	Pest	Rate oz./acre	Rate Ib./acre	Application Instructions
	scales	34.5	2.156 (1.5)	Apply a mum spray solution of 20 gallons per acre by ground.  For best results of  scale and mealybugs, begin applications at early crawler emergence.
	leafhoppers mealybugs whiteflies	9. 0 - 12.0	0.£6 - 0.75 (0.4 - 0.53)	
	Restrictions: Limited to Florida, I Do not apply more The minimum spray	than 2 applicatio	ns per y	(3.0 lb. a.i. and and and and and
age: 15				'3.0 lb. a.i. per acre per year).
	s rate is for this product.	ticky Note Date: 8/23 ticky Note Date: 8/23		, papaya, sapodilia, star apple.
Clarify as per c	comments above.		Contain Contai	Application Instructions
Number: 3 Auti Change heade	r to "Recommendations'	ticky Note Date: 8/23	3/2018 1:28:34 PM	
Number: 4 Auti In this section	hor: mwalsh02 Subject: S replace "per year" with "pe	ticky Note Date: 8/23 r growing season"	3/2018 5:07:48 PM	Jum spray solution of 20 gallons per ac
Number: 5 Aut Clarify this rest		ticky Note Date: 8/2:	3/2018 1:29:21 PM	imum spray solution of 5 gallons per acre b
	thor: mwalsh02 Subject: S s rate is for this product.	iticky Note Date: 8/2	3/2018 1:31:59 PM	;ults of 9
Number: 7 Aut Clarify	thor: mwalsh02 Subject: S	iticky Note Date: 8/2	3/2018 1:31:12 PM	alybugs and scales, apply at early crawle ∍rgence for best control.
Number: 8 Aut Clarify.	thor: mwalsh02 Subject: S	sticky Note Date: 8/2	3/2018 1:31:21 PM	
Number: 9 Aut	thor: mwalsh02 Subject: Ser to "Recommendations"	Sticky Note Date: 8/2	3/2018 1:31:45 PM	
Change heade	ASSESSMENT OF THE PROPERTY OF	Subject: Sticky Note	Date: 8/23/2018 5	:09:32 PM
Number: 10	Author: mwalsh02			
Number: 10 Per the cited, i	Author: mwalsh02 replace "per year" with "per Author: mwalsh02 is rate is for this product.	growing season" Subject: Sticky Note	Date: 8/23/2018 1	97 lb. a.i. per acre per year).
Number: 10 Per the cited, i	replace "per year" with "per Author: mwalsh02			:33:36 PM
Number: 10 Per the cited, in Number: 11 Clarify that this	replace "per year" with "per Author: mwalsh02 is rate is for this product.	Subject: Sticky Note	Date: 8/23/2018	:33:36 PM :33:13 PM Application Instructions

34.5

2.16

(1.5)

acre by ground.

by air.

#### Restrictions:

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.



Do not use more than 69. oz. of this product per acre per year (3.0 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 21 days.

Ornamental Plants in greenhouses; lath and shadehouses; nurseries; landscape ornamentals; ground covers; field-and container-grown ornamentals; non-bearing fruit and nut trees and vines in nurseries; Christmas trees.

Pe	st				Ra oz./a		Rate   2   2   2   2   2   2   2   2   2	Application Instructions
me	fhoppe alybug nthopp	js .			12	.0	0.75 (0.53)	For best results when population level reaches economic threshold.  Apply in sufficient water to obtain complete, uniform coverage of all plant parts including stems and underside of leaves. Spray to point of runoff.  Applications may be made with high volume, low volume or ultra-low volume (thermal and non-thermal foggers, misters, etc.) ground equipment only. Follow the spray equipment manufacturer's directions to determine the amount of spray solution required to obtain thorough coverage. Consult the spray equipment manufacturer's operator's manual, spray nozzle catalogs and/or your crop advisor for more information.
	Number: 1 Author: mwalsh02 Subject. Sticky Note Date: 8/23/2018 5:10:52 PM Per the cited product, replace "per year" with "per growing season"	Subject. Sticky Note Date: 8/23/2018 1:37:41 PM oduct.	Subject Sticky Note Date: 8/23/2018 1:36:42 PM ations"	Subject: Sticky Note Date: 8/23/2018 1:36:08 PM	Subject: Sticky Note Date: 8/23/2018 5:15:19 PM cycle" with "season".	Subject: Sticky Note Date: 8/23/2018 1:35:29 PM the math and the cited product.	0.88 (0.61)	For optimum control of  whiteflies, leafhoppers or planthopper, apply as soon as adult insects begin to appear.  scales, apply at early crawler emergence mealybugs, apply as soon as insect activity is observed.  Good spray coverage is essential.  If additional insecticide applications are required for control, use another class of chemistry or a different Insect Growth Regulator (IGR) with a different mode of action before making subsequent applications of buprofezin.  Consult local and state agricultural authorities for specific details.
Page: 16	Number: 1 Author: mwalsh02 Ser the cited product, replace "p	Number: 2 Author: mwalsh02 Subjec	Number: 3 Author: mwalsh02 Subject Sticky Note Change header to "Recommendations"	Number: 4 Author, mwalsh02 Subject: Sticky Note	wn Number: 5 Author: mwalsh02 Subject: Sticky Note Per the cited, replace the word "code" with "season".	<ul> <li>Number: 6 Author: mwalsh02 Subject: Sticky Note Date: 8/23</li> <li>This close not look right. Check the math and the cited product.</li> </ul>	er growing conduct per acc	re per growing cycle (1.22 lb. a.i. per acre per

#### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

PESTICIDE STORAGE: Store in original container in a cool, dry and secure location.
PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed on site or at an approved waste disposal facility.

[Plastic bottle packaging:]

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ½ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

[Fiber Drums with Liners:]

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into the handling or application equipment. The primer for recycling if available, or dispose of liner in a sanitary landfill, or by incineration, or by burning, if allowed by state and local authorities. If burned, stay out of smoke. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

Batch (	code:_			

#### WARRANTY DISCLAIMER AND NOTICE

#### IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

### Page: 17

Number: 1 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 1:40:11 PM

Please note that the agency is trying to get away from burning of containers. With that in mind, please change the last sentence to read "Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by State and local authorities."

Number: 2 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 1:42:45 PM

Please replace this sentence with the sentence in the in the comment above, and delete "If burned, stay out of smoke." The rest of the language seems appropriate.

herein. To the extent consistent with applicable law, ACETO AGRICULTURAL CHEMICALS CORPORATION DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE

(7)0x (

#### Walsh, Michael

From:

John Wright <jwrightch@comcast.net>

Sent:

Monday, July 02, 2018 3:03 PM

To:

Walsh, Michael

Subject:

RE: 2749-LIT. Decision #: 540519. Agency Letter.

Attachments:

002749-00LIT.20180701.Bufprfezin70WDG IGR Proposed.pdf; 8570-27 Buprofezin 70WDG

1Jul18.pdf; Buprofezin 70WDG IGR CSF Basic 1Jul18.pdf

Dear Mr. Walsh:

In response to the attached EPA letter, I have made the corrections requested to the Confidential Statement of Formula.

In addition, the Formulator's Exemption form was updated to reflect the proper name on the source active ingredient and reflect the change in date of the revised CSF.

The subject label was also upgraded to reflect the recent changes on the cited label dated 5/24/18.

Please let me know if you need anything else here.

Also, I would appreciate an acknowledgement that you received this response.

Thank you.

John F. Wright

From: Walsh, Michael < Walsh. Michael@epa.gov>

Sent: Friday, June 29, 2018 7:46 AM

To: john Wright <jwrightch@comcast.net>

Subject: 2749-LIT. Decision #: 540519. Agency Letter.

Dear Mr. Wright:

Attached please find a deficiency letter for 2749-LIT. The current PRIA Due Date for your action is 9/10/2018. The CSF and label for this action are not acceptable.

The label for your product needs be virtually identical to the product being repacked. Revise the label accordingly. When revising the label, please include the information in PR Notice 2017-1. It appears you have included some of the language from PR Notice 2017-1. Was there a reason that you did not include all of the language in the PR Notice? Is that language was not appropriate for this product? Please note that the CSF also needs to be revised. Please see the attached letter.

The agency cannot guarantee the security of information sent via email, so please let me know how you plan to submit the revised documents. Because the attached letter includes references to the CSF, the document has been encrypted and password protection. I will send the password in a separate email. Please let me know if you have any trouble opening the attachment.

Thank you for your prompt attention to this matter.

5#:1021890

Michael Walsh
Product Manager 11
Invertebrate & Vertebrate Branch 2

AUGUST 23, 2018



# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

Mr. John Wright, Agent Aceto Agricultural Chemicals Corporation c/o Product & Regulatory Associates, LLC 8595 Collier Boulevard, Suite 107-51 Naples, FL 34114

Dear Mr. Wright:

The Agency has completed its review and assessment of your application pursuant to Section 33(b)(3) of the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) as amended by the Pesticide Registration Improvement Extension Act of 2012. The Agency has made a pre-decisional determination that your application cannot be approved unless revisions are made to the label. The necessary label changes are specified on the attached label.

Since there is limited time before the PRIA Decision Due Date expires, it is important to discuss any objections you have to these changes immediately and whether you will need to submit additional data for review. If these discussions determine that submitting data will be necessary, the PRIA decision due date may need to be renegotiated to allow sufficient time to address and resolve such differences. If the PRIA Decision Due Date is not renegotiated, and the label issues are not resolved before the PRIA Decision Due Date, the Agency will send a follow-up letter that will represent the Agency's decision to close out the PRIA decision review time. The follow-up letter will provide the following three options for continuing the review of the application:

- (a) Applicant agrees to all of the terms associated with the draft accepted label as revised by the Agency and requests that it be issued as the accepted final Agency-stamped label; or
- (b) Applicant does not agree to one or more of the terms of the draft accepted label as revised by the Agency and requests additional time to resolve the difference(s); or
- (c) Applicant withdraws the application without prejudice for subsequent resubmission, but forfeits the associated registration service fee.

If the applicant informs EPA that it has concerns as described under (b) above, the applicant will have up to 30 calendar days from the date of that follow-up letter to reach agreement with the Agency on the final version of the label that the Agency will accept. If an agreement cannot be reached within those 30 days, EPA would intend to proceed with denial of the application.

If the applicant agrees to all of the terms of the accepted label as described in (a) above, or if the applicant and EPA resolve any differences as described in (b), the applicant must submit a revised label to EPA. EPA will then provide an accepted final Agency stamped label to the applicant within 2 business days following the applicant's written electronic confirmation of agreement to the Agency including the revised label to be stamped.

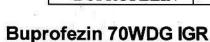
EPA File Symbol: 2749-LIT Decision Number: 540519

If you have any questions, please contact me at <a href="mailto:walsh.michael@epa.gov">walsh.michael@epa.gov</a> or by phone at (703) 308-2972. .

Sincerely,

Michael Walsh Product Manager 11 Invertebrate & Vertebrate Branch 2 Registration Division Office of Pesticide Programs

**Attachments** 



Insect Growth Regulator for use on Bananas, Coffee, Citrus Fruits, Grapes, Olives, Pears, Asian Pears, Persimmon, Pistachios, Pome Fruit, Pomegranates, Stone Fruits, Tomatoes (greenhouse) Tree Nuts, Tropical Crops, Ornamentals (greenhouse and outdoor) and Christmas Trees.

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ACTI	VE	1814	20	ED	1	IT.
ACTI	VE	IN	эĸ	EU		. I P

Buprofezin: 2-tert-butylimino-3-isopropyl-5-phenyl-1,3	3,5-thiazinan-4-one70.0%
OTHER INCREDIENTS:	30.0%

......<u>30.0%</u> Total 100.0%

EPA Reg. No. 2749-LIT EPA Est. No.

**Net Contents:** 

Manufactured for: Aceto Agricultural Chemicals Corporation 4 Tri Harbor Court Port Washington, NY 11050

See [inside booklet] [back panel] for [First Aid], Precautionary Statements] [and] [Directions for use]

Read "LIMIT OF WARRANTY AND LIABILITY" before buying or using. If terms are not acceptable, return at once unopened.

## CAUTION

	FIRST AID
If swallowed	<ul> <li>Call poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by the poison control center o doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
If on skin or clothing	<ul> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
If inhaled	<ul> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth to-mouth, if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
If in eyes	<ul> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>

treatment. FOR EMERGENCY MEDICAL HELP, CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887.

NOTE TO PHYSICIAN: There is no specific antidote. All treatment should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred.

FOR CHEMICAL SPILL, LEAK, FIRE, EXPOSURE OR MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887.

## PRECAUTIONARY STATEMENTS Hazards to Humans and Domestic

#### CAUTION

Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before reuse.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

#### Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

#### STATEMENTS FOR CONTAMINATED PPE

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### **ENGINEERING CONTROLS**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

#### **USER SAFETY RECOMMENDATIONS**

Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing, As soon as possible, wash thoroughly and change clothing.

#### **ENVIRONMENTAL HAZARDS**

For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

#### **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that it will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

#### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralis
- Waterproof gloves
- Shoes plus socks

#### NONAGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, or greenhouses. For other uses, including golf courses and other nonagricultural uses, do not enter treated areas without protective clothing until sprays have dried.

#### PRODUCT INFORMATION

This product is an insect growth regulator effective against the nymphal stages of whitefly, scales, psylla, mealybugs, planthoppers, and leafhoppers by inhibiting chitin biosynthesis, suppressing oviposition of adults, and reducing viability of eggs. This product is not an adulticide. Evidence of activity may be slower than typical contact insecticides as treated susceptible pests may remain alive on the plant for 3-7 days; however, pests have stopped feeding and any feeding damage during this time is typically very low.

This product is not disruptive to beneficial insects and mites.

This product is a contact insecticide which requires good uniform through coverage of foliage and fruit to be effective. Use by ground or air in sufficient water volume to obtain through coverage specially to stems and underside of foliage. Orient nozzles to ensure good coverage. Use of higher volume of water will assure better coverage, especially under adverse conditions such as hot, dry weather, and/or a dense canopy. The entire field should be treated. Apply when economic infestations occur based on local information.

Not for Sale, Sale into, Distribution, and/or Use in Nassau and Suffolk Counties of New York State.

#### INSECTS CONTROLLED

whiteflies: ash whitefly, banded winged whitefly, greenhouse whitefly, silverleaf whitefly, sweet potato whitefly

**mealybugs:** apple mealybug, **c**itrus mealybug, comstock mealybug, Gill's mealybug, grape mealybug, longtailed mealybug, madeira mealybug, Mexican mealybug, obscure mealybug, striped mealybug, vine mealybug

**leafhoppers and planthoppers:** brown planthopper, cherry leafhopper, Eastern grape leafhopper, glassy-winged sharpshooter, potato leafhopper, variegated leafhopper, Western grape leafhopper, white apple leafhopper

#### pear psylla

#### scales:

soft scales: barnacle scale, black scale, brown soft scale, citricola scale, European fruit lecanium scale, false oleander scale, frosted scale, hemispherical scale, Indian wax scale and other wax

scales, tessellated scale, write peach scale

armored scales: boisduval scale, cactus scale, California red scale, coconut scale, fern scale, Florida red scale, oystershell scale, San Jose scale, walnut scale

margarodid scale: cottony cushion scale

#### USE RESTRICTIONS

- This product is not for sale, sale into, distribution, and or use in Nassau and Suffolk counties of New York state.
- Do not apply this product through any type of irrigation system.
- Not for use in residential greenhouses.

#### Crop Rotational Restrictions:

CROP	PLANTBACK TIMING
All crops registered for use with buprofezin	0 days following application
Cereal grains	30 days following application
All other crops	60 days following application

#### **USE PRECAUTIONS**

- Apply in a minimum finished spray volume of 5 gallons per acre by air. For gallonage per acre by ground, refer to Application Instruction section.
- Phytotoxicity may occur in Asian Pear varieties, normally limited to applications made prior to petal fall.

#### RESISTANCE MANAGEMENT

For resistance management, this product contains a Group 16 insecticide. Any insecticide population may contain individuals naturally resistant to this product and other Group 16 insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay insecticide/acaricide resistance, take the following steps:

- Rotate the use of this product or other Group 16 insecticides within a growing season, or among growing seasons, with different groups that control the same pests.
- Use tank mixtures with insecticides from a different group that are equally effective on the target pest when such use is permitted. Do not rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues (for the targeted pests) between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
  - o Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
  - Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
  - When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
  - Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
  - The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated pest management program for insecticide/acaricide use that includes scouting, uses historical information related to pesticide use crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If level of survival suggests the
  presence of resistance, consult with your local university specialist or certified pest control advisor.

- Contact your local extension specialist or certified crop advisors for any pesticide resistancemanagement and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact Aceto representatives at 516-627-6000.

See specific crop Use Directions for maximum single application rate, annual maximum number of applications and amount of active ingredient.

#### SPRAY DRIFT REDUCTION MANAGEMENT

Do not apply when wind speed favors drift beyond the area intended for treatment. The interaction of many equipment and weather-related factors determine the potential for spray drift. The applicator is responsible for considering all of these factors when making application decisions. Avoiding spray drift is the responsibility of the applicator.

#### Importance of Droplet Size:

An important factor influencing drift is droplet size. Small droplets (<150 - 200 microns) drift to a greater extent than large droplets. Within typical equipment specifications, applications should be made to deliver the largest droplet spectrum that provides sufficient control and coverage. Use only Medium or coarser spray nozzles (for ground and non-ULV aerial application) according to ASAE (S572) definition for standard nozzles. In conditions of low humidity and high temperatures, applicators should use a coarser droplet size.

#### **Ground Applications:**

Wind speed must be measured adjacent to the application site on the upwind side, immediately prior to application. For ground boom applications, apply using a nozzle height of no more than 4 feet above the ground or crop canopy. For airblast applications, turn off outward pointing nozzles at row ends and when spraying the outer two (2) rows. To minimize spray loss over the top in orchard applications, spray must be directed into the canopy.

#### **Aerial Applications:**

The spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used and must not exceed 75% of the wingspan or 80% rotor diameter. Flight speed and nozzle orientation must be considered in determining droplet size. Spray must be released at the lowest height consistent with pest control and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety. When applications are made with a cross-wind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind. Making applications at the lowest height that is safe reduces the exposure of the droplets to evaporation and wind.

#### Wind Speed Restrictions:

Drift potential increases at wind velocities of less than 3 mph (due to inversion potential) or more than 10 mph. However, many factors, including droplet size, canopy and equipment specifications determine drift potential at any given wind speed. Only apply this product if the wind direction favors on-target deposition. Do not apply when wind velocity exceeds 15 mph and avoid gusty and windless conditions. Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.

#### Restrictions During Temperature Inversions:

Do not make ground applications during temperature inversions. Drift potential is high during temperature inversions. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by stable air and increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by mist or ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source. Smoke that layers and moves laterally near the ground surface in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical mixing.

#### **APPLICATION DIRECTIONS**

Applications should be made immediately after the spray solution is 'prepared. Thorough spray coverage is essential for effective control. Applications may be made with high or low volume spray equipment that

provides thorough coverage or me plant. Apply with properly calibrated spray equipment. For best results, apply when pest populations are beginning to build, before reaching economic thresholds.

Consult your local agricultural advisor, or state cooperative extension service for guidance.

#### Use Rate Equivalency

Since this product contains 70% w/w buprofezin active ingredient (a.i.) per pound of product, the following table expresses the use rate equivalency of oz. of this product in terms of lb. active ingredient on a per acre basis.

oz. of product	lb. product	lb. a.i.
per acre	per acre	per acre
6	0.38	0.26
7	0.44	0.31
9	0.56	0.4
12	0.75	0.53
14	0.88	0.61
18	1.12	0.8
23	1.44	1.0
24	1.5	1.05
27	1.68	1.18
28	1.76	1.22
34.5	2.16	1.5
45	2.81	1.97
46	2.88	2.0
60	3.75	2.63
69	4.31	3.02
91	5.69	3.98
92	5.75	4.0

#### MIXING INSTRUCTIONS

Buprofezin 70 WDG IGR is a water dispersible granule designed to be diluted with water at the rates listed in the specific crop use directions. Fill the spray tank with approximately ½ of the desired volume with water or carrier. With the agitation operating, add the specified amount of the formulation as listed in the targeted crop use directions. Complete the filling process while maintaining agitation. Remove the hose from the mixing tank immediately after filling to avoid siphoning back into the carrier source. Add nonionic surfactant and other spray additives as the last ingredients in the tank. Allow time to fully disperse.

Since this product forms a suspension in water, it is important to maintain good agitation during mixing and spraying. If the spray suspension is allowed to settle for a short period of time, be sure to agitate the spray suspension for a minimum 10 minutes. Apply spray solutions within 24 hours after mixing.

#### **TANK MIXTURES**

To improve this product's effectiveness, apply in combination with other pesticide products that are registered for the same crop and application techniques. For current information on the best tank mixture partner in your area, consult with the local dealer, distributor or State Agricultural Extension service.

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

If this product is to be tank mixed with other pesticides, conduct a compatibility test prior to mixing. Use a small container and mix all components in a small amount, usually 0.5 to 1qt. of spray. Combine all products in the same ratio and order of addition as in the proposed spray mixture. Observe the mixture for indication of incompatibility which usual occurs in 10 to 30 minutes after mixing. If incompatibility is observed, try changing the order of addition of the components. The guideline on tank mixture partners is driven by formulation type. Start with water dispersible granules (WDG's), wettable powders (WP's) including water soluble bags (WSB's), suspension concentrated (SC's) or flowable (F's), all with very good agitation. Next

follow with water miscible concentrates and emulsifiable concentrates (EC's) before adding drift control additives, nonionic surfactants (NIS's) or crop oil concentrates (COC's). After vigorous agitation, there must be a homogeneous suspension. Let the final tank mixture stand and observe for any rapid settling or floating of components. If any indications of physical incompatibility develop, do not use this mixture for spraying.

SPRAY COVERAGE: All parts of the crop must receive uniform spray coverage or else desired result may not occur. Higher water volumes and increased spray pressure generally provide better coverage. Consult your local agricultural specialist for specific information on the best rates, timings, and spray volumes for your region.

#### Buprofezin 70 WDG IGR Crop/Use Site Index

Crop

**Page** 

Bananas

Coffee

Citrus fruit Group 10

Citrus fruit Group 10 FL/TX

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Olives

Pears, Asian pears

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**Pistachios** 

Pome fruit Group 11-10 (except pears, Asian pears)

Pomegranates:

Stone fruit Group 12

Tomato (Greenhouse)

Tree Nut Group 14

Tropical Crops; acerola, atemoya, avocado, binda, chenmoya, custard apple, feijoa, guava, ilama, jaboticaba, passion fruit, soursop, starfruit, sugar apple and wax jambu

Tropical Crops; black sapote, canistel, mamey sapote, mango, papaya, sapodilia, star apple

Tropical Crops; longan, pulasan, rambutan, Spanish lime Ornamentals (greenhouse and outdoor)

Christmas trees

The use rate for this product is expressed in terms of the oz. of this product per acre as Rate oz. /acre and Rate lb. /acre.

The pre-harvest interval (PHI) is the required number of days between the last application of this product and the harvesting of the crop.

The application spray volume is expressed as the number of gallons of liquid applied per acre (GPA).

#### Bananas

Pest	Rate oz./acre	Rate Ib./acre (Ib. ai/acre)	Application Instructions
leafhoppers mealybugs scales whiteflies	7.0	0.44 (0.31)	Apply a minimum spray solution of 15 gallons per acre by ground. Apply a minimum spray solution of 5 gallons per acre by air. For best results:

3 5	<ul> <li>Apply when population level reaches economic threshold.</li> </ul>
	Good spray coverage is essential. Use a higher volume of spray will ensure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.

Do not apply more than 4 applications per year.

The minimum spray interval is 14 days.

Do not use more than 27 oz. of this product per acre per year (1.18 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 1 day.

Citrus Fruits (Crop Group 10) calamondin; citrus; citron; citrus hybrids (including chironja, tangelo, tangor); clementine; grapefruit; kumquat; lemon; lime; mandarin; orange, sour; orange, sweet; pummelo; satsuma mandarin; tangerine.

Pest	Rate oz./acre	Rate lb./acre (lb. ai/acre)	Application Instructions
black scales California red scale citricola scale cottony cushion scale glassy-winged sharpshooter mealybugs wax scale	34.5 – 46.0	2.16 - 2.88 (1.5 - 2.0)	Apply a minimum spray solution of 500 gallons per acre by ground.  Apply with sufficient water volume according to tree size. Thorough spray coverage of the fruit, foliage, and wood is essential for optimal control.  When using the minimum water volume, trees must not exceed 10 feet tall, tree canopy must be opened up, and tractor speed must not exceed 1.5 miles per hour.  Apply a minimum spray solution of 5 gallons per acre by air.  For best results of:  • red scale, apply at early crawler emergence,  • citricola scale, begin applications after complete crawler hatch. Spring applications can provide suppression and minimize honeydew accumulation,  • cottony cushion scale. Apply after complete crawler hatch.  • all other pests, apply at early crawler hatch.  Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.

#### Restrictions:

Do not apply more than 2 applications per year.

The minimum spray interval is 60 days.

Do not use more than 92.0 oz. of this product per acre per year (4.0 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 3 days.

Citrus Fruits (Crop Group 10) (TX & FL Only) calamondin; citrus; citron; citrus hybrids (including chironja, tangelo, tangor); clementine; grapefruit; kumquat; lemon; lime; mandarin; orange, sour; orange, sweet; pummelo; satsuma mandarin; tangerine.

Pest	Rate oz./acre	Rate lb./acre (lb. ai/acre)	Application Instructions
soft scales armored scales	34.5 – 46.0	2.16 - 2.88 (1.5 - 2.0)	Apply a minimum spray solution of 250 gallons per acre by ground.  Apply a minimum spray solution of 5 gallons per acre

	- 33			( and )
			20	by air.
3	84 _ 83	wa Wa	M M	For best results of
₽ <sup>R</sup>	5 ×		id (#2	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on tree canopy and locations of scale insect within the tree canopy.

Limited to Florida and Texas Only

Do not apply more than 2 applications per year.

The minimum spray interval is 60 days.

Do not use more than 92.0 oz. of this product per acre per year (4.0 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 3 days.

#### Coffee

Pest	Rate oz./acre	Rate lb./acre lb. ai/acre)	Application Instructions
mealybugs scales	23.0	1.44 (1.0)	Apply a minimum spray solution of 50 gallons per acre by ground.  Apply a minimum spray solution of 5 gallons per acre by air.
2 a	10 E	31 11	For best results of:  • Apply when population level reaches economic threshold.
8			Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.

#### Restrictions:

Do not apply more than 4 applications per year.

The minimum spray interval is 14 days.

Do not use more than 91.0 oz. of this product per acre per year (4.0 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 0 day.

Grapes

Pest	Rate oz./acre	Rate lb./acre (lb. ai/acre)	Application Instructions
European fruit lecanium scale	12.0	0.75 (.53)	Apply a minimum spray solution of 50 gallons per acre by ground. Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy, Use higher volumes for dense canopies.  Apply a minimum spray solution of 5 gallons per acre by air.
w n	erec to the second seco	9 m	For best results of

leafhopper mealybugs	9.0 – 12.0	0.56 - 0.75 (0.4 - 0.53)	Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will ensure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.
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Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 24. oz. of this product per acre per year (1.05 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 7 days.

Grapes (AZ and CA Only)

Pest	Rate oz./acre	Rate   lb./acre (lb. al/acre)	Application Instructions
mealybugs	24.0	1.5 (1.05)	Apply a minimum spray solution of 50 gallons per acre by ground. Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy, Use higher volumes for dense canopies.
9	· ·		Apply a minimum spray solution of 5 gallons per acre by air.
			For best results of  mealybugs, begin applications at early
#	18	256.1	crawler emergence.
8 0 0 0 0	35	© Ø	Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse
	90	W.	conditions, such as hot, dry weather and/or a dense canopy.

#### Restrictions:

Limited to Arizona and California Only

Do not use more than 24. oz. of this product per acre per year (1.05 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 30 days.

#### Olives

Pest		Rate oz./acre	Rate lb./acre (lb. ai/acre)	Application Instructions
scales	ÿ	34.5 – 46.0	2.16 - 2.88 (1.5 – 2.0)	Apply a minimum spray solution of 110 up to 500 gallons per acre by ground.  Apply a minimum spray solution of 5 gallons per acre by air.
8	8 8	0		black scale, apply after complete crawler emergence from the female scale has occurred,     other scales, apply at early crawler emergence.
M		3		Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces, Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.

	Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under
E	adverse conditions, such as hot, dry weather and/or a dense canopy.

Do not apply more than 2 applications per year.

The minimum spray interval is 50 days.

Do not use more than 92.0 oz. of this product per acre per year (4.03 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 21 days.

Pears (Group 11-10) pear; Asian pear

Pest	Rate oz./acre	Rate lb./acre (lb. ai/acre)	Application Instructions
mealybugs pear psylla scales	34.5 – 46.0	2.16 - 2.88 (1.5 - 2.0)	Apply a minimum spray solution of 80 gallons per acre by ground.  Apply a minimum spray solution of 5 gallons per acre by air.
			For best results of  1st and 2nd instar pear psylla, apply pre- bloom or at petal fall. In-season, apply when smaller pear psylla nymphs are present. Tank mix with adulticide for optimum control,  mealybugs or San Jose scale, apply pre- bloom or at first crawler emergence, other scales, apply at early crawler emergence.
		9 D	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.  Phytotoxicity may occur in Asian pear varieties but is normally limited to applications made prior to petal fall.

#### Restrictions:

Do not apply more than 2 applications per year.

The minimum spray interval is 7 days.

Do not use more than 69.0 oz. of this product per acre per year (3.0 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 14 days.

#### Persimmons

Pest	Rate oz./acre	Rate lb./acre (lb. ai/acre)	Application Instructions
mealybugs soft scales European fruit lecanium scales frosted scale	34.5	2.16 (1.5)	Apply a minimum spray solution of 100 gallons per acre by ground.  Apply a minimum spray solution of 5 gallons per acre by air.  For best results of

8	9W7		± "L"	mealybugs, apply at beginning of crawler emergence. This product is most effective on early developmental stage of mealybugs.
		2	*	<ul> <li>scales, apply a beginning of crawler emergence of the scale generation being targeted.</li> <li>Good spray coverage is essential.</li> </ul>

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 69.0 oz. of this product per acre per year (3.0 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 14 days.

Pome Fruits (Crop Group 11-10) except pear and Asian pear (see separate directions for pear and Asian pear) apple, azarole, crabapple, loquat, mayhaw, medlar, quince, Chinese quince,

Japanese quince, tejocote; cultivars, varieties, and/or hybrids of these.

Pest	Rate oz./acre	Rate lb./acre (lb. ai/acre)	Application Instructions
leafhoppers	9.0 - 12.0	0.56 - 0.75 (0.4 - 0.53)	Apply a minimum spray solution of 80 gallons per acre by ground. For low-volume sprayers use a minimum of 20 gallons per acre.
	323	*	Apply a minimum spray solution of 5 gallons per acre by air.
er e	.21	14	For best results of
	w		<ul> <li>San Jose scale, apply at dormant, delayed dormant, pre- bloom or in-season at early crawler emergence,</li> <li>other scales, apply at early crawler emergence,</li> <li>mealybugs, apply at dormant, delayed dormant to petal fall when nymphs are</li> </ul>
* 9.	8	3	present. Apply in-season at early crawler emergence.  Good spray coverage is essential
mealybugs scales	34.5	2.16 (1.5)	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.

#### Restrictions:

Do not apply more than 1 application per year.

Do not use more than 34.5 oz. of this product per acre per year (1.5 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 14 days.

**Pomegranates** 

Pest	Rate oz./acre	Rate lb./acre (lb. ai/acre)	Application Instructions
whiteflies	12 .0- 34.5	0.75 - 2.16 (0.53 - 1.5)	Apply a minimum spray solution of 50 gallons per acre by ground.  Apply a minimum spray solution of 5 gallons per acre by air.

mealybugs scales	34.5 – 46.0	2.16 – 2.88 (1.5 – 2.0)	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.  Adjust volume based on size of the canopy, Use higher volumes for dense canopies.
			<ul> <li>For best results of</li> <li>brown soft scale, apply at dormant timing targeting the overwintering population or at crawlier emergence during the summer,</li> <li>San Jose scale, apply at dormant, delayed dormant, pre- bloom or in-season at early crawler emergence,</li> <li>whiteflies, apply at early nymph threshold,</li> <li>other scales, apply at early crawler emergence,</li> <li>mealybugs, apply when early crawler emergence occurs.</li> </ul>

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 69.0 oz. of this product per acre per year (3.0 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 14 days.

Stone Fruits (Crop Group 12-12) apricot, sweet cherry, tart cherry, nectarines, peach, plum,

chickasaw plum, damson plum, Japanese plum, plumcot, prunes (fresh).

Pest	Rate oz./acre	Rate lb./acre (lb. ai/acre)	Application Instructions
mealybugs scales	34.5	2.16 (1,5)	Apply a minimum spray solution of 50 gallons per acre by ground.  Apply a minimum spray solution of 5 gallons per acre by air.
	о е		San Jose scale, apply at dormant, delayed dormant, pre- bloom when scale is in the black cap stage or in-season at early crawler emergence,     other scales, apply at early crawler emergence,     mealybugs, apply when early crawler emergence occurs.  Good spray coverage is essential.
20 20 EV (1)	<b>a</b> u	# 10 10 10 10 10 10 10 10 10 10 10 10 10	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.

#### Restrictions:

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 69.0 oz. of this product per acre per year (3.0 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 14 days.

Tree Nuts (Crop Group 14) almonds, beechnuts, Brazil nuts, butternuts, cashews, chestnuts, chinquapins, filberts, hickory nuts, macadamia nuts, pecans, walnuts {black and English} and pistachios.

Pest	Rate oz./acre	Rate lb./acre (lb. ai/acre)	Application Instructions
mealybugs scales	34.5 – 46.0	2.16 - 2.88 (1.5 - 2.0)	Apply a minimum spray solution of 100 gallons per acre by ground.  Apply a minimum spray solution of 5 gallons per acre by air.
	1 11 11	# # #	For best results of
			San Jose scale, apply at dormant, delayed dormant, pre- bloom when scale is in the black cap stage or in-season at early crawler emergence or when scales are of a susceptible early nymphal stage,  other scales, apply at early crawler emergence.  mealybugs, apply when early crawler emergence occurs.  Good spray coverage is essential.
8 N 1	**	# # # # # # # # # # # # # # # # # # #	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.

#### Restrictions:

Do not apply more than 1 application per year.

Do not use more than 46.0 oz. of this product per acre per year (2.0 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 60 days.

Tomatoes (Greenhouse)

Pest	Rate oz./acre	Rate lb./acre (lb. ai/acre)	Application Instructions
leafhopper mealybugs planthoppers	9.0	0.56 (0.4)	Apply by ground on 2 acre minimum with spray solution of 20 gallons per acre.  For best results,  apply when populations level reaches economic threshold. Consult local and state agricultural authorities for specific details.  Good coverage is essential.
whiteflies	6.0 - 9.0	0.38 - 0.56 (0.26 - 0.4)	Apply in sufficient water to obtain complete coverage of all plant parts.  Applications may be made with high volume, low volume or ultra-low volume (thermal and non-thermal foggers, misters, etc.) ground equipment only. Follow the spray equipment manufacturer's directions to determine the amount of spray solution required to obtain thorough coverage. Consult the spray equipment manufacturer's operator's manual, spray nozzle catalogs and/or your crop advisor for more information.

Do not apply more than 2 applications per growing cycle.

The minimum spray interval is 5 days.

Do not use more than 18.0 oz. of this product per acre per growing cycle (0.8 lb. a.i. per acre) per growing cycle.

Pre-Harvest Interval (PHI) is 1 day.

Tropical Crops; acerola, atemoya, avocado, binda, chermoya, custard apple, feijoa, guava, ilama,

jaboticaba, passion fruit, soursop, starfruit, sugar apple and wax jambu.

Pest	Rate oz./acre	Rate lb./acre (lb. ai/acre)	Application Instructions
scales	34.5	2.156 (1.5)	Apply a minimum spray solution of 20 gallons per acre by ground.  For best results of
	# F.	8	scale and mealybugs, begin applications at early crawler emergence.
leafhoppers mealybugs whiteflies	9.0 - 12.0	0.56 - 0.75 (0.4 - 0.53)	

#### Restrictions:

Limited to Florida, Hawaii and Puerto

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 69. oz. of this product per acre per year (3.0 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 21 days.

#### Tropical Crops; black sapote, canistel, mamey sapote, mango, papaya, sapodilia, star apple.

Pest	Rate oz./acre	Rate lb./acre (lb. ai/acre)	Application Instructions
leafhoppers mealybugs scales whiteflies	9. 0 - 12.0	0.56 - 0.75 (04 0.53)	Apply a minimum spray solution of 20 gallons per acre by ground.  Apply a minimum spray solution of 5 gallons per acre by air.
			For best results of

#### Restrictions:

Limited to Florida, Hawaii and Puerto

Do not apply more than 5 applications per year.

The minimum spray interval is 14 days.

Do not use more than 45 oz. of this product per acre per year (1.97 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 3 days.

Pest	Rate oz./acre	Rate Ib./acre (Ib. ai/acre)	Application Instructions
scales	34.5	2.16 (1.5)	Apply a minimum spray solution of 75 gallons per acre by ground.  Apply a minimum spray solution of 5 gallons per acre

by air.

#### Restrictions:

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 69. oz. of this product per acre per year (3.0 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 21 days.

Ornamental Plants in greenhouses; lath and shadehouses; nurseries; landscape ornamentals; ground covers; field-and container-grown ornamentals; non-bearing fruit and nut trees and vines in

nurseries; Christmas trees.

Pest	Rate oz./acre	Rate lb./acre (lb. ai/acre)	Application Instructions
leafhoppers mealybugs planthoppers	12.0	0.75 (0.53)	For best results, apply when population level reaches economic threshold.  Apply in sufficient water to obtain complete, uniform coverage of all plant parts including stems and underside of leaves. Spray to point of runoff.  Applications may be made with high volume, low volume or ultra-low volume (thermal and non-thermal foggers, misters, etc.) ground equipment only. Follow the spray equipment manufacturer's directions to determine the amount of spray solution required to obtain thorough coverage. Consult the spray equipment manufacturer's operator's manual, spray nozzle catalogs and/or your crop advisor for more information.
scales	14.0	0.88 (0.61)	For optimum control of         whiteflies, leafhoppers or planthopper, apply as soon as adult insects begin to appear.         scales, apply at early crawler emergence.         mealybugs, apply as soon as insect activity is observed.
whiteflies	6.0	0.38 (0.26)	Good spray coverage is essential.  If additional insecticide applications are required for control, use another class of chemistry or a different Insect Growth Regulator (IGR) with a different mode of action before making subsequent applications of buprofezin.  Consult local and state agricultural authorities for specific details.

#### Restrictions:

Do not apply more than 2 applications per growing cycle.

Do not use more than 28.0 oz. of this product per acre per growing cycle (1.22 lb. a.i. per acre per growing cycle).

#### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

PESTICIDE STORAGE: Store in original container in a cool, dry and secure location.
PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed on site or at an approved waste disposal facility.

[Plastic bottle packaging:]

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

[Fiber Drums with Liners:]

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into the handling or application equipment. Then offer for recycling if available, or dispose of liner in a sanitary landfill, or by incineration, or by burning, if allowed by state and local authorities. If burned, stay out of smoke. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

Batch	Code:	**	

#### WARRANTY DISCLAIMER AND NOTICE

#### **IMPORTANT: READ BEFORE USE**

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS**: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Aceto Agricultural Chemicals Corporation. To the extent consistent with applicable law all such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, ACETO AGRICULTURAL CHEMICALS CORPORATION MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Aceto Agricultural Chemicals Corporation is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, ACETO AGRICULTURAL CHEMICALS CORPORATION DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE

USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT ACETO AGRICULTURAL CHEMICALS CORPORATION'S ELECTION, THE REPLACEMENT OF PRODUCT.

All trademarks are proprietary of their respective owners.

[Made in [Japan][China] [packaged in USA]. [Active ingredient made [and formulated] in [Japan][China], [formulated in USA] [and] [package in USA]].

#### Walsh, Michael

From:

Walsh, Michael

Sent:

Friday, June 29, 2018 7:46 AM

To:

'John Wright'

Subject: Attachments: 2749-LIT. Decision #: 540519. Agency Letter. 2749-LIT 75 day letter 20180629 PWP.pdf

Dear Mr. Wright:

Attached please find a deficiency letter for 2749-LIT. The current PRIA Due Date for your action is 9/10/2018. The CSF and label for this action are not acceptable.

The label for your product needs be virtually identical to the product being repacked. Revise the label accordingly. When revising the label, please include the information in PR Notice 2017-1. It appears you have included some of the language from PR Notice 2017-1. Was there a reason that you did not include all of the language in the PR Notice? Is that language was not appropriate for this product? Please note that the CSF also needs to be revised. Please see the attached letter.

The agency cannot guarantee the security of information sent via email, so please let me know how you plan to submit the revised documents. Because the attached letter includes references to the CSF, the document has been encrypted and password protection. I will send the password in a separate email. Please let me know if you have any trouble opening the attachment.

Thank you for your prompt attention to this matter.

Michael Walsh
Product Manager 11
Invertebrate & Vertebrate Branch 2
Registration Division
Office of Pesticide Programs
U.S. EPA



# UNIT STATES ENVIRONMENTAL PROCETION AGENCY WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

**E-MAILED** June 29, 2018

OPP Decision Number: 540519

Mr. John F. Wright, Agent Aceto Agricultural Chemicals Corporation c/o Product & Regulatory Associates, LLC 8595 Collier Boulevard, Suite 107-51 Naples, FL 34114

Subject:

Application Deficiency - Confidential Statement of Formula & Labeling

Product Name: Buprofezin 70WDG IGR EPA Registration Number: 2749-LIT Application Date: April 16, 2018 EPA Receipt Date: April 17, 2018

Dear Mr. Wright:

The Agency has received and begun its in-depth review of the subject application and has determined that it is incomplete or that further information is needed. This letter is a written notification of those deficiencies and identifies your options under 40 CFR 152.105. Please ensure that you consider each of the options below in determining how and when you respond to this letter.

Pursuant to 40 CFR 152.105, you are allowed 75 days from the date of this letter to provide a response concerning the deficiencies listed in this letter. Your response may include making corrections or additions to complete the application, or notifying the Agency of the date on which you expect to complete the application, or withdrawing your application. If you do not respond to this letter within 75 days or if you respond with a date on which you expect to complete the application but fail to meet that scheduled date, the Agency will treat the application as if you had withdrawn it. Withdrawal concludes the Agency's review of your application. Any subsequent submission of the same application must then be submitted as a new application with a new deadline for EPA to make a determination on your application and subject to a new registration service fee.

The deficiencies identified in the Agency's review at this time are:

#### **Confidential Statement of Formula**

- The name of the source product is not accurate and must be corrected.
- Remove the information in column 14a, 14b, and 15.
- The revised CSF should also clearly state that the formulation is a 100% repack.
- Note: The CSF must be signed and bear the current date.

SEE NEXT PAGE

Page 2 of 2 EPA Reg. No. 2749-LIT Decision No. 540519

#### Labeling

• This new product application is for a 100% repack. This means that product label must be virtually identical to the cited product label. Please revise the label accordingly.

Further review of your application and your response to the deficiencies may identify additional deficiencies and you will be so informed.

Please respond to this letter within 75 days of the stamped date by contacting me at (703)308-2972 or by email at <a href="walsh.michael@epa.gov">walsh.michael@epa.gov</a>. You may also contact Debra Rate at (703)306-0309 or by email <a href="mailto:rate.debra@epa.gov">rate.debra@epa.gov</a> with a response and for any questions concerning this letter. When submitting information or data in response to this letter, a copy of this letter should accompany the submission to facilitate processing.

Sincerely.

Michael Walsh

Product Manager 11

Invertebrate & Vertebrate Branch 2

Registration Division

Office of Pesticide Programs

\*Product ingredient source information may be entitled to confidential treatment\* Form Approved MB No. 2070-0060. Approval expires 2-28-95 Please read instructions on reverse before comp. 2 form. **OPP Identifier Number** United States Registration **Environmental Protection Agency** Amendment Washington, DC 20460 Other Application for Pesticide - Section I 1. Company/Product Number 2. EPA Product Manager 3. Proposed Classification 2749-XXX Michael Walsh None Restricted 4. Company/Product (Name) PM# Buprofezin 70WDG IGR 11 5. Name and Address of Applicant (Include ZIP Code) 6. Expedited Reveiw. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling Aceto Agricultural Chemicals Corporation to: 4 Tri Harbor Court EPA Reg. No. Port Washington, NY 11052 Check if this is a new address **Product Name** Section - II Amendment - Explain below. Final printed labels in repsonse to Agency letter dated Resubmission in response to Agency letter dated "Me Too" Application. Notification - Explain below. Other - Explain below. Explanation: Use additional page(s) if necessary. (For section I and Section II.) Application for Pesticide Registration of New Product, PRIA Category R300 New End Use, 100% Repackage of registered product. PRIA Fee \$1,582.00. Section - III 1. Material This Product Will Be Packaged In: Child-Resistant Packaging **Unit Packaging** Water Soluble Packaging 2. Type of Container Yes Yes Matel Yes Plastic No No Glass Paper If "Yes" No. per If "Yes" No. per Certification must Unit Packaging wgt. container Package wgt Other (Specify) container be submitted 3. Location of Net Contents Information 4. Size(s) Retail Container 5. Location of Label Directions On container Container 1, 5, 10, 20 lb 6. Manner in Which Label is Affixed to Product Other poly coated paper glued on \*\*\*\* Lithograph Section - IV 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.) Telephone No. (Include Area Code) Name Title 609.841.8268 John F. Wright Authorized Representative Aceto Certification 6. Date Application . . Received I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowlingly false or misleading statement may be punishable by fine or imprisonment or (Stamped) both under applicable law. 2. Signature Authorized Representative Aceto Agricultural Chemicals Corp. 5. Date 4. Typed Name John F. Wright 4/16/18

\*Product ingredient source information may be entitled to confidential treatment\*

# Product & Regulatory

## Associates, L.L.C.

April 16, 2018

Mr. Michael Walsh (PM-11)
Document Processing Desk (REGFEE)
Office of Pesticide Programs (7504C)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501

Subject: Buprofezin 70WDG IGR
EPA File Symbol 2749-XXX
Application for Pesticide Registration of New Product

PRIA Category: R300, New Product, 100% Re-package of a registered product.

PRIA Milestone Tracking E-mail Notification: jwrightch@comcast.net

Dear Mr. Walsh:

Aceto Agricultural Chemicals Corporation (Aceto) is submitting an application for pesticide registration of a new end use product.

This product is 100% re-package of

as described on the basic Confidential Statement of Formula (CSF).

The use sites and application rates are identical to those found on

The PRIA Category is R300 with a PRIA Fee is \$1582.00.

To complete this new product registration application, enclosed please find:

- Cover letter
- Application for Pesticide Registration (EPA Form 8750-1)
- PRIA Confirmation of Payment (26919IA4) (2 Copies)
- Authorized Representative Letter
- Confidential Statement of Formula Basic (EPA Form 8750-4) (2 Copies)
- Formulator's Exemption Statement (EPA Form 8570-27)
- Copies of proposed label (5 copies)

8595 Collier Blvd.

Suite 107-51 Telephone: 609.841.8288 Naples, FL 34114

April 16, 2018 Page 2 of 2

I trust that this information will assist the Agency in its efforts to complete this registration application. If you have any question in regard to this mater, feel free to contact me at (609) 841-8288 or JWrightCH@comcast.net.

& Regulatory

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Sincerely,

John F. Wright

Authorized Representative of Aceto Agricultural Chemicals Corporation

cc: Terry Kippley, Aceto

8595 Collier Blvd.

Suite 107-51 Telephone: 609.841.8288 Naples, FL 34114



## ACETO AGRICULTURAL CHEMICALS CORPORATION

4 Tri Harbor Court Port Washington, NY 11050-4661 Tel: (516) 627 6000 Fax: (516) 627 6093 www.aceto.com

Date November 4, 2015

To Whom It May Concern:

Subject: Authorized Representative for Aceto Agriculture Chemicals Corporation EPA Company No. 2749

Aceto Agricultural Chemicals Corporation appoints

John F. Wright Product & Regulatory Associates, LLC 8595 Collier Blvd. Suite 107-51 Naples, FL 34114

as an authorized representative for our interactions with the EPA and State Regulatory Lead Agencies on pesticide regulatory matters. The Agent assignment does not apply to any other legal actions for Aceto Agricultural Chemicals Corporation. Those action items should remain the same. Also, this does not alter the existing contact address for Aceto Agricultural Chemicals Corporation.

If you need additional information or have any questions, feel free to contact me.

Sincerely,

Terry Kippley

Jy Kins

President

Aceto Agricultural Chemicals Corporation



## United States Environmental Protection Agency Washington, DC 20460

### Formulator's Exemption Statement

(40 CFR 152.85)

Applicant's Name and Address

Aceto Agrilcultural Chemicals Corporation 4 Tri Harbor Court Port Washington, NJ 11050 EPA File Symbol/Registration Number 2749-LIT

Product Name

Buprofezin 70WDG IGR

Date of Confidential Statement of Formula (EPA Form 8570-4)

07/01/2018

As an authorized representative of the applicant for registration of the product identified above, I certify that:

(1) This product contains the following active ingredient(s):

buprofezin

- (2) Of these, each active ingredient listed in paragraph (4) is present solely as the result of the use of that active ingredient in the manufacturing, formulation or repackaging another product which contains that active ingredient which is registered under FIFRA Section 3, is purchased by us from another person and meets the requirements of 40 CFR section 158.50(e)(2) or (3).
- (3) Indicate by checking (A) or (B) below which paragraph applies:
- (A) An accurate Confidential Statement of Formula (EPA FORM 8570-4) for the above identified product is attached to this statement. That formula statement indicates, by company name, registration number, and product name, the source of the active ingredient(s) listed in paragraph (1).

OR

- (B) The Confidential Statement of Formula (CSF)(EPA Form 8570-4) referenced above and on file with the EPA is complete, current, an accurate and contains the information required on the current CSF.
- (4) The following active ingredients in this product qualify for the formulator's exemption.

Source				
	Active Ingredient	- 1	Product Name	Registration Number
ouprofezin		40		
6				
		- 4		
				N 45
			2.1	
Signature	W12-14		Name and Title	Date
	Heright		John F. Wright Authorized Rep.	07/01/2018

EPA Form 8570-27 (Rev. 06-2004)

Copy 1 – EPA Copy 2 - Applicant copy \*Product ingredient source information may be entitled to confidential treatment\*

Form approved. OMB No. 2070-0060, 2070-0057, 0-0107, 2070-0122, 2070-0164.

Ω	CDA	
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		•

## United States

	Formulator's Exc	Protection Agency on, DC 20460 Emption Statemen R 152.85)	t		
Applicant's Name and Address		EPA File Symbol/Regis	tration Number		_
Aceto Agrilcultural Chemicals Co	rnoration	2749-XXX		/	
4 Tri Harbor Court	-porumon	Desduct Visua			
Port Washington, NJ 11050		Product Name Buprofezin 70W	DG IGR		
		Date of Confidential Sta	atement of Formula	EPA Form 8570	L4)
As an authorized representative of the applica	ant for registration of the pro	duct identified above, I certif	y that:		
(1) This product contains the following act	ive ingredient(s):				
buprofezin					
(2) Of these, each active ingredient listed formulation or repackaging another prous from another person and meets the  (3) Indicate by checking (A) or (B) below v  (A) An accurate Confidential Statement	oduct which contains that ac requirements of 40 CFR se which paragraph applies:	tive ingredient, which is regi ction 158.50(e)(2) or (3).	stered under FIFR,	A Section 3, is pur	chased by
That formula statement indicates, by co					
paragraph (1).	/				
		OR			
(B) The Confidential Statement of Fo accurate and contains the information  (4) The following active ingredients in this p	required on the current CS	F.	on file with the E	PA is complete, co	urrent, an
/	Sc	ource	·		
Active Ingredient	I P	roduct Name	Т 6	Registration Number	er
buprofezin		menuniti (S.C.) Perket (T.C.)			50
buprorezm				*****	
			· 6	: • • •	
				••••	****
					•
				• • • • • • • • • • • • • • • • • • • •	****
				***.:	****
Signature (M) \	Name and Title		Date	•	
Signature	John E Waisha	Authorized Day	04/16/201	8	

Copy 1 - EPA Copy 2 - Applicant copy

1 W CORRECT

#### Buprofezin 70WDG IGR

Insect Growth Regulator for use on Bananas, Coffee, Citrus Fruit, Grapes, Olives, Pears, Asian Pears, Persimmon, Pistachios, Pome Fruit, Pomegranates, Stone Fruit, Tomatoes (greenhouse) Tree Nuts, Tropical Plants, Ornamentals (greenhouse and outdoor) and Christmas Trees.

		BY WI
ACTIVE INGREDIENT: buprofezin		70.0%
OTHER INGREDIENTS:		30 0%
	Total	100.0%

EPA Reg. No. 2749-XXX EPA Est. No.

Net Contents:

Manufactured for: Aceto Agricultural Chemicals Corporation 4 Tri Harbor Court Port Washington, NY 11050

See [inside booklet] [back panel] for [First Aid], Precautionary Statements] [and] [Directions for use]

Read "LIMIT OF WARRANTY AND LIABILITY" before buying or using. If terms are not acceptable, return at once unopened.

### KEEP OUT OF REACH OF CHILDREN CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

	FIRST AID
lf inhaled	<ul> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth to-mouth, if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
lf on skin or clothing	<ul> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
If in eyes	<ul> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> </ul>
Ifswallowed	<ul> <li>Call poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by the poison control center or doctor.</li> </ul>

Emergency Assistance: Have the product container or label with you when calling a poison control. center or doctor or going for treatment. FOR EMERGENCY MEDICAL HELP, CALL CHEMTREC TOLL FREE 1-800-424-9300 or 1-703-527-3887.

NOTE TO PHYSICIAN: There is no specific antidote. All treatment should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred.

FOR CHEMICAL SPILL, LEAK, FIRE, EXPOSURE OR MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887.



. AR DESTRUCTION

### CAUTION

Harmful if swallowed. Wash thoroughly with soap and water after handling. Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Harmful if inhaled. Avoid breathing spray mist. Remove contaminated clothing and wash before reuse.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### User Safety Recommendations

Users should: Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

#### ENGINEERING CONTROLS STATEMENT

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

#### **ENVIRONMENTAL HAZARDS**

For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

#### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that it will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

#### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls over long-sleeved shirt and long pants
- Waterproof gloves

....

Socks and chemical-resistant footwear

#### NONAGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, or greenhouses. For other uses, including golf courses and other nonagricultural uses, do not enter treated areas without protective clothing until sprays have dried. of the base of pathological and a strength of the test task of the control of the strength of the strength

#### PRODUCT INFORMATION

This product is an insect growth regulator effective against the nymphal stages of whitefly, scales, psylla, mealybugs, planthoppers, and leafhoppers by inhibiting chitin biosynthesis. suppressing oviposition of adults, and reducing viability of eggs. This product is not an adulticide. Evidence of activity may be slower than typical contact insecticides as treated susceptible pests may remain alive on the plant for 3-7 days; however, pests have stopped feeding and any feeding damage during this time is typically very low.

This product is not disruptive to beneficial insects and mites.

This product is a contact insecticide which requires good uniform through coverage of foliage and fruit to be effective. Use by ground or air in sufficient water volume to obtain through coverage specially to stems and underside of foliage. Orient nozzles to assure good coverage. Use of higher volume of water will assure better coverage, especially under adverse conditions such as hot, dry weather, and/or a dense canopy. The entire field should be treated. Apply when economic infestations occur based on local information.

## INSECTS CONTROLLED SANDERS OF THE REPORT OF THE PROPERTY OF TH

whiteflies: ash whitefly, banded winged whitefly, greenhouse whitefly, silverleaf whitefly, sweet potato whitefly

mealybugs: citrus mealybug, comstock mealybug, Gill's mealybug, grape mealybug, longtailed mealybug, Mexican mealybug, obscure mealybug, striped mealybug, vine mealybug

leafhoppers and planthoppers: brown planthopper, cherry leafhopper, Eastern grape leafhopper, glassy-winged sharpshooter, potato leafhopper, variegated leafhopper, Western grape leafhopper, white apple leafhopper

## pear psylla

soft scales: barnacle scale, black scale, brown soft scale, citricola scale, European fruit lecanium scale, false oleander scale, frosted scale, hemispherical scale, Indian wax scale and other wax scales, tessellated scale, white peach scale

armored scales: boisduval scale, cactus scale, California red scale, coconut scale, fern scale, •• Florida red scale, oystershell scale, San Jose scale

margarodid scale: cottony cushion scale

#### USE RESTRICTIONS

- This product is not for sale, sale into, distribution, and or use in Nassau and Suffolk counties of New York state.
- Do not apply this product through any type of irrigation system.
- Crop Rotational Restrictions:

CROP	PLANTBACK TIMING
All crops registered for use with buprofezin	0 days following application
Cereal grains	30 days following application
All other crops and participation was an income a serious	60 days following application

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## USE PRECAUTIONS TO THE SECOND THE LEGISLATION OF THE SECOND THE SE

 Apply in a minimum finished spray volume of 5 gallons per acre by air. For gallonage per acre by ground, refer to Application Rate Chart.

Phytotoxicity may occur in Asian Pear varieties, normally limited to applications

made prior to petal fall.

RESISTANCE MANAGEMENT: The active ingredient in Buprofezin 70WDG IGR is buprofezin, inhibitor of chitin biosynthesis, Type 1 belonging to the Insecticide Resistance Action Committee (IRAC) Group 16. This product is effective in controlling insect pests and minimizing the development of resistance when used in rotation with other insecticides in an IPM program. The program of the left of the code in a griss region restaurance is the left of the code of the left of the l

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To reduce selection pressure for resistant pests: 6 300 hts/g 401 no opin of agen with all an electronic pests.

- Do not use this product or another group 16 insecticide against consecutive insect generations. Consecutive applications can be used, however, within a single / same generation. It is best to use this product in rotation with classes of insecticides and modes of action other than those in IRAC group 16.
- For management of pests with short life cycles such as whiteflies, do not use this product more than once within each generation cycle.
- Always apply this product at the required rates and according to label directions. Do not use an application rate alone or in tank mixtures that is less than the minimum amount stated on the label.
- Use this product as part of an insect management program that includes cultural and biological control where possible.
- Scout pest populations and begin this product applications before the pest becomes established. Focus treatments on early immature stages for best results. For optimum control, thoroughly wet the undersides of leaves, particularly when applications are made to control pear psylla, whiteflies and thrips.
- For greenhouse use, if another insect growth regulatory with the same mode of action as a chitin biosynthesis inhibitor (i.e. cyromazine, diflubenzuron and novaluron) has been used in the greenhouse within 28 days do not apply this product as the first whitefly application.

Adopt an integrated pest management program for insecticide/acaricide use that includes scouting, uses historical information related to pesticide use crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.

Monitor after application for unexpected target pest survival. If level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor. Contact your local extension specialist or certified crop advisors for any pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area. figure the description in the many acquired the figure

See specific crop Use Directions for maximum single application rate, annual maximum number of applications and amount of active ingredient.

#### APPLICATION DIRECTIONS

Applications should be made immediately after the spray solution is 'prepared. Thorough spray coverage is essential for effective control. Applications may be made with high or low volume spray equipment that provides thorough coverage of the plant. Apply with properly calibrated spray equipment. For best results, apply when pest populations are beginning to build, before reaching economic thresholds.

Consult your local agricultural advisor, or state cooperative extension service for guidance.

#### SPRAY DRIFT REDUCTION MANAGEMENT

Do not apply when wind speed favors drift beyond the area intended for treatment. The interaction of many equipment and weather-related factors determine the potential for spray drift. The applicator is responsible for considering all of these factors when making application decisions. Avoiding spray drift is the responsibility of the applicator.

Importance of Droplet Size:

An important factor influencing drift is droplet size. Small droplets (<150 - 200 microns) drift to a greater extent than large droplets. Within typical equipment specifications, applications should be made to deliver the largest droplet spectrum that provides sufficient control and coverage. Use only Medium or coarser spray nozzles (for ground and non-ULV aerial application) according to ASAE (S572) definition for standard nozzles. In conditions of low humidity and high temperatures, applicators should use a coarser droplet size.

Ground Applications:

Wind speed must be measured adjacent to the application site on the upwind side, immediately prior to application. For ground boom applications, apply using a nozzle height of no more than 4 feet above the ground or crop canopy. For airblast applications, turn off outward pointing nozzles at row ends and when spraying the outer two (2) rows. To minimize spray loss over the top in orchard applications, spray must be o the canopy. Seek and in all violetimes of the law single of the representation of the seek and directed into the canopy.

Aerial Applications: The outre The course the course the course and the course of the

The spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used and must not exceed 75% of the wingspan or 80% rotor diameter. Flight speed and nozzle orientation must be considered in determining droplet size. Spray must be released at the lowest height consistent with pest control and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety. When applications are made with a cross-wind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind. Making applications at the lowest height that is safe reduces the exposure of the droplets to evaporation and wind. Wind Speed Restrictions: The second of the s

Drift potential increases at wind velocities of less than 3 mph (due to inversion potential) or more than 10 mph. However, many factors, including droplet size, canopy and equipment specifications determine drift potential at any given wind speed. Only apply this product if the wind direction favors on-target deposition. Do not apply when wind velocity exceeds 15 mph and avoid gusty and windless conditions. Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.

Restrictions During Temperature Inversions:

Do not make ground applications during temperature inversions. Drift potential is high during temperature inversions. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by stable air and increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by mist or ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source. Smoke that layers and moves laterally rear the ground surface in a concentrated cloud (under low wind conditions) indicates an inversion, while shoke that moves upward and rapidly dissipates indicates good vertical mixing.

Use Rate Equivalency

Since this product contains 70% w/w buprofezin active ingredient (a.i.) per pound of product, the following table expresses the use rate equivalency of oz. of this product in terms of lb. active ingredient on a per acre basis. delaristica it, exitti itri iti energiena

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oz. of product	lb. a.i.
per acre	per acre
6	0.26
7	0.31
9	0.39 0.53 0.61
12	
14	
18	0.79
23	1.01

24	1.05	
27	1.18	c.f
28 12 20 20 20 20 20 20 20	1.23	
34.5	1.51×1 - 10 v 1 12 dis.	
U ::45/15/04/106 1.0/8/16/1	a 1.97 SEVER EAST COST SERVE TO COST	
46	2.01 m ven and the said organis advance.	09
60 6 00 6	2.63	
69	3.02	
91	3.98	
92	4.03	

## MIXING INSTRUCTIONS

comments and trans-

Buprofezin 70 WDG IGR is a water dispersible granule designed to be diluted with water at the rates listed in the specific crop use directions. Fill the spray tank with approximately ½ of the desired volume with water or carrier. With the agitation operating, add the specified amount of the formulation as listed in the targeted crop use directions. Complete the filling process while maintaining agitation. Remove the hose from the mixing tank immediately after filling to avoid siphoning back into the carrier source. Add nonionic surfactant and other spray additives as the last ingredients in the tank. Allow time to fully disperse.

Since this product forms a suspension in water, it is important to maintain good agitation during mixing and spraying. If the spray suspension is allowed to settle for a short period of time, be sure to agitate the spray suspension for a minimum 10 minutes. Apply spray solutions within 24 hours after mixing.

## TANK MIXTURES

To improve this product's effectiveness, apply in combination with other pesticide products that are registered for the same crop and application techniques. For current information on the best tank mixture partner in your area, consult with the local dealer, distributor or State Agricultural Extension service.

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

If this product is to be tank mixed with other pesticides, conduct a compatibility test prior to mixing. Use a small container and mix all components in a small amount, usually 0.5 to 1qt. of spray. Combine all products in the same ratio and order of addition as in the proposed spray mixture. Observe the mixture for indication of incompatibility which usual occurs in 10 to 30 minutes after mixing. If incompatibility is observed, try changing the order of addition of the components. The guideline on tank mixture partners is driven by formulation type. Start with water dispersible granules (WDG's), wettable powders (WP's) including water soluble hags (WSB's), suspension concentrated (SC's) or flowable (F's), all with very good agitation. Next follow with water miscible concentrates and emulsifiable concentrates (EC's) before adding drift control additives, nonionic surfactants (NIS's) or crop oil concentrates (COC's). After vigorous agitation, there must be a homegeneous suspension. Let the final tank mixture stand and observe for any rapid settling or floating of components. If any indications of physical incompatibility develop, do not use this mixture for spraying.

SPRAY COVERAGE: All parts of the crop must receive uniform spray coverage or else desired result may not occor. Higher water volumes and increased spray pressure generally provide better coverage. Consult your local agricultural specialist for specific information on the best rates, timings, and spray volumes for your region. a aldi la mata considerate de la colta e la considerate del la

Buprofezin 70 WDG IGR Crop/Use Site Index

Crop

Bananas

Coffee

Citrus fruit Group 10

Citrus fruit Group 10 FL/TX

Grapes

Olives

Pears, Asian pears

Persimmon

Pistachios

Pome fruit Group 11-10 (except pears, Asian pears)

Pomegranates

Stone fruit Group 12

Tomato (Greenhouse)

Tree Nut Group 14

Tropical; Acerola, atemoya, avocado, binda, chenmoya, custard apple, feijoa, guava, ilama, jaboticaba, passion fruit. soursop, starfruit, sugar apple and wax jambu

Tropical; black sapote, canistel, mamey sapote, mango, papaya, sapodilia, star apple and the second of all the second second and the second s

Tropical; longan, pulasan, rambutan, Spanish lime

Ornamentals (greenhouse and outdoor)

Christmas trees And Monday, It A

The use rate for this product is expressed in terms of the oz. of this product per acre as Rate oz. /acre and Rate lb. /acre.

regard to could be parameter than the con-

The pre-harvest interval (PHI) is the required number of days between the last application of this product and the harvesting of the crop.

The application spray volume is expressed as the number of gallons of liquid applied per acre (GPA).

#### Bananas

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhoppers mealybugs scales whiteflies	7.0	0.438	Apply a minimum spray solution of 15 gallons per acre by ground.

#### Restrictions:

Do not apply more than 4 applications per year.

The minimum spray interval is 14 days.

Do not use more than 27 oz. of this product per acre per year (1.18 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 1 day.

Citrus Fruits (Crop Group 10) calamondin; citron; citrus hybrids; grapefruit; kumquat; lemon; lime; Mediterranean mandarin; orange, sour; orange, sweet; pummelo; satsuma mandarin; tachibana orange; tangerine(mandarin); tangelo; trifoliate orange; cultivars, varieties, and/or hybrids of these.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
black scales California red scale citricola scale cottony cushion scale glassy-winged sharpshooter mealybugs	34.5 – 46.0	1.5 – 2.0	Apply a minimum spray solution of 750 gallons per acre by ground.  For best results of:  red scale, apply at early crawler emergence, citricola scale, begin applications after complete crawler hatch. Spring applications can provide

suppression and minimize honeydew accumulation,  Cottony cushion scale. Apply after July 1st.
Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.
 2 - 32 y CarattinSp

#### Restrictions:

Do not apply more than 2 applications per year.

The minimum spray interval is 60 days.

Do not use more than 92.0 oz. of this product per acre per year (4.03 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 3 days.

Citrus Fruits (Crop Group 10) (TX & FL Only) calamondin; citron; citrus hybrids; grapefruit; kumquat; lemon; lime; Mediterranean mandarin; orange, sour; orange, sweet; pummelo; satsuma mandarin; tachibana orange; tangerine(mandarin); tangelo; trifoliate orange; cultivars, varieties, and/or hybrids of these.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
soft scales armored scales	34.5 – 46.0	2156 – 2.875	Apply a minimum spray solution of 250 gallons per acre by ground.
interior appearance of the second	California esta	Baka a sain	For best results of
r Pak maadhii	HA.	i firray war o	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on tree canopy and locations of scale insect within the tree canopy.
57 29 AUGUST 3	Later Com-Tree	V90.1	The state of the s

#### Restrictions:

Limited to Florida and Texas Only

Do not apply more than 2 applications per year.

The minimum spray interval is 60 days.

Do not use more than 92.0 oz. of this product per acre per year (4.03 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 3 days.

#### Coffee

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs scales	23.0	1.43	Apply a minimum spray solution of 50 gallons per acre by ground.
and the synth	S Park I	GHAN TOO HERE OF A	For best results of:  • mealybugs and scales, apply when populations reach economic threshold.
Security		3	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.

#### Restrictions:

Do not apply more than 4 applications per year.

The minimum spray interval is 14 days.

Do not use more than 91.0 oz. of this product per acre per year (3.98 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 0 day.

Grapes

Pestro a unioni in como	Rate oz./acre	Rate lb./acre	Application Instructions
European fruit lecanium scale	12.0	0.75	Apply a minimum spray solution of 50 gallons per acre by ground. Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy, Use higher volumes for dense canopies.
t of et one			For best results of
leafhopper mealybugs	9.0 – 12.0	0.56 - 0.75	Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.

#### Restrictions:

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 24. oz. of this product per acre per year (1.05 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 7 days.

Grapes (AZ and CA Only)

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs	24.0	1.5	Apply a minimum spray solution of 50 gallons per acre by ground. Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy, Use higher volumes for dense canopies.
	P = P = 0	e de la companya de l	For best results of  mealybugs, begin applications at early crawler emergence.
Postrictions	and the second	H silve te	Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.

#### Restrictions:

Limited to Arizona and California Only

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 24. oz. of this product per acre per year (1.05 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 30 days.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
scales	34.5 – 46.0	2.156 - 2.875	Apply a minimum spray solution of 110 to 500 gallons per acre by ground.
	Mirita in the	Et a su - E	3.54.6
to a distribution of the	to Miles and Tables	Sel Man et 11	For best results of
as the marking to		345 Sq 1	<ul> <li>black scale, apply after complete crawler</li> </ul>
of Value of Bal	e di Monto	0.024(0.00)	emergence from the female scale has
	1 10 10	at the tent	occurred,
		ettino, san i	<ul> <li>Other scales, apply at early crawler emergence.</li> </ul>
the war a	and the second	enpully of w	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume
A STATE OF THE STA	280 2 2 4 1 1 A		based on size of the tree canopy, Use higher volumes for dense canopies.
- university to		West Notes and Marie	Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray
AND THE STATE OF			will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.

#### Restrictions:

Do not apply more than 2 applications per year.

The minimum spray interval is 50 days.

Do not use more than 92.0 oz. of this product per acre per year (4.03 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 21 days.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs pear psylla scales	34.5 – 46.0	2.156 - 2.875	Apply a minimum spray solution of 80 gallons per acre by ground.
Tables of the M	CAST ST ST	Charlest of the	For best results of              1st and 2nd instar pear psylla, apply pre- bloom or at petal fall. In-season, apply when smaller pear psylla nymphs are present,             Tank mix with adulticide for optimum control             mealybugs or San Jose scale, apply pre- bloom r at first crawler emergence,
		C AUG	other scales, apply at early crawler emergence.  Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume
	l ge my spec ge		based on size of the tree canopy, Use higher volumes for dense canopies.  Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.
Restrictions:			Phytotoxicity may occur in Asian pear varieties but is normally limited to applications made prior to petal fall.

Do not apply more than 2 applications per year.

The minimum spray interval is 7 days.

Do not use more than 69.0 oz. of this product per acre per year (3.02 lb. a.i. per acre per year).

and the state of t

Pre-Harvest Interval (PHI) is 14days.

#### Persimmons

Pest ===(m.zertent:	Rate oz./acre	Rate lb./acre	Start Application Instructions
mealybugs soft scales European	34.50	2.156	Apply a minimum spray solution of 100 gallons per acre by ground.
fruit lecanium scales	10.00	200 PLAN 9003	For best results of
frosted scale	nagarias i say	F. W.C.	<ul> <li>mealybugs, apply at beginning of crawler emergence. This product is most effective on early developmental stage of mealybugs</li> </ul>
	e i sissi je de mangen	v 5	<ul> <li>scales, apply a beginning of crawler emergence of the scale generation being targeted.</li> </ul>
	Perie Tuli		Good spray coverage is essential.

#### Restrictions:

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 69.0 oz. of this product per acre per year (3.02 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 14 days.

Pome Fruits (Crop Group 11-10 except pears (see separate directions for pears) apple, azarole, crabapple, loquat, mayhaw, medlar, quince, Chinese quince, Japanese quince, tejocote; cultivars,

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhoppers	9.0 - 12.0	0.56 - 0.75	Apply a minimum spray solution of 80 gallons per acre by ground. For low-volume sprayers use a minimum of 20 gallons per acre.
			For best results of
provisió errori Nos Longriso va da amili			
			other scales, apply at early crawler
ment instant	.a(+5a / q ()A	=	emergence,     mealybugs, apply at dormant, delayed dormant to petal fall when nymphs are present. Apply in-
and the state of t		megi = 3	season at early crawler emergence.  Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray
or year to the second of the	AT	s regulated John Y	will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.
mealybugs scales	34.5	2.156	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy, Use higher
$c_{ij} = aig = aig$			volumes for dense canopies.

Do not apply more than 1 application per year.

Do not use more than 34.5 oz. of this product per acre per year (1.51 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 14 days.

**Pomegranates** 

Pest system is	Rate oz./acre	Rate lb./acre	ed-st model	Application Instructions
whiteflies	12 – 34.5	0.75 - 2.156	Apply a macre by gr	ninimum spray solution of 50 gallons per round.
	\$	- Length 41	For best re	esults of
the second of th	(F)	100 h 1	ta	rown soft scale, apply at dormant timing argeting the overwintering population or at rawlier emergence during the summer,
	The state of the s		• S de cr	an Jose scale, apply at dormant, delayed ormant, pre- bloom or in-season at early rawler emergence, thiteflies, apply at early nymph threshold,
	2000 001		• m	ther scales, apply at early crawler mergence, nealybugs, apply when early crawler mergence occurs. ay coverage is essential.
mealybugs scales	34.5 – 46.0	2.156 – 2.875	Use a suf coverage based on	ficient volume of water to ensure thorough of fruit and leaf surfaces. Adjust volume size of the grape canopy, Use higher or dense canopies.

#### Restrictions:

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 69.0 oz. of this product per acre per year (3.02 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 14 days.

Stone Fruits (Crop Group 12-12) apricot, Japanese apricot, capulin, black cherry, Nanking cherry, sweet cherry, tart cherry, Chinese jujube, nectarines, peach, plum, American plum, beach plum, Canada plum, cherry plum, chickasaw plum, damson plum, Japanese plum, klamath plum, prune plum, plumcot, sloe, cultivars, varieties and/or hybrids of these

Pest displace than the comment of th	Rate Rate z./acre lb./ac	Application matractions
ACCOUNTY OF THE PROPERTY OF TH	34.5 2.150	acio by giodina.
		San Jose scale, apply at dormant, delayed dormant, pre- bloom when scale is in the black cap stage or in-season at early crawler emergence,     other scales, apply at early crawler

all added to entropy literature of significant for the state of the st	Good spray coverage is essential.
The Company of the Co	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.
	46 to 17 to 28

#### Restrictions:

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 69.0 oz. of this product per acre per year (3.02 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 14 days.

Tree Nuts (Crop Group 14) almonds, beechnuts, Brazil nuts, butternuts, cashews, chestnuts, chinquapins, filberts, hickory nuts, macadamia nuts, pecans, walnuts {black and

Pest a final and a se	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs scales	34.5 – 46.0	2.156 – 2.875	Apply a minimum spray solution of 100 gallons per acre by ground.
33.8	Name of the second		For best results of
		o Tagana	<ul> <li>San Jose scale, apply at dormant, delayed dormant, pre- bloom when scale is in the black cap stage or in-season at early crawler emergence or when scales are of a susceptible early nymphal stage,</li> <li>other scales, apply at early crawler emergence.</li> <li>mealybugs, apply when early crawler emergence occurs.</li> <li>Good spray coverage is essential.</li> </ul>
			Use a sufficient volume of water to ensure thorough
	a efficient		coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.

#### Restrictions:

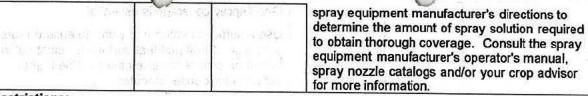
Do not apply more than 1 application per year.

Do not use more than 46.0 oz. of this product per acre per year (2.01 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 60 days.

Tomatoes (Greenhouse)

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhopper mealybugs planthoppers	9.0	0.56	Apply by ground on 2 acre minimum with spray solution of 20 gallons per acre.
p saw 1	to keep a si		For best results, apply when populations level reaches economic threshold. Consult local and state agricultural authorities for specific details.  Good coverage is essential.
whiteflies	6.0 – 9.0	0.38 - 0.56	Apply in sufficient water to obtain complete coverage of all plant parts. Applications may be made with high volume, low volume or ultra-low volume (thermal and non-thermal foggers, misters, etc.) ground equipment only. Follow the



#### Restrictions:

Do not apply more than 2 applications per growing cycle.

The minimum spray interval is 5 days.

Do not use more than 18.0 oz. of this product per acre per growing cycle (0.79 lb. a.i. per acre per growing 1 1026 1 10 a di cycle).

Pre-Harvest Interval (PHI) is 1 day.

Tropical; acerola, atemoya, avocado, binda, chermoya, custard apple, feijoa, guava, ilama,

jaboticaba, passion fruit, soursop, starfruit, sugar apple and wax jambu.

Pest refer at intswije	Rate oz./acre	Rate Rate	Application Instructions
scales ,	34.5	2.156	Apply a minimum spray solution of 20 gallons per acre by ground.
	E ASSIGN LIGHT.	CONTRACTOR	For best results of
	74.2	aran di lon	<ul> <li>scale and mealybugs, begin applications at early crawler emergence.</li> </ul>
leafhoppers mealybugs whiteflies	9.0-12.0	0.56 - 0.75	

#### Restrictions:

Limited to Florida, Hawaii and Puerto

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 69. oz. of this product per acre per year (3.02 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 21 days.

#### Tropical; black sapote, canistel, mamey sapote, mango, papaya, sapodilia, star apple.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhoppers mealybugs scales	9.0 - 12.0	0.56 - 0.75	Apply a minimum spray solution of 20 gallons per acre by ground.
whiteflies	Vertically of V		For best results of

#### Restrictions:

Limited to Florida, Hawaii and Puerto

Do not apply more than 5 applications per year.

The minimum spray interval is 14 days.

Do not use more than 45 oz. of this product per acre per year (1.97 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 3 days.

Tropical; longan, pulasan, rambutan, Spanish lime.

Pest grant and some	Rate	Rate	Application Instructions
AND THE THE PER	oz./acre	lb./acre	

scales	34.5	2.156	Apply a minimum spray solution of 75 gallons per acre by ground.
	1/43	098(0.0	For best results of
grand.	at for our properties and the	in produce of The second second This are set	<ul> <li>scales, apply at early crawler emergence for best control.</li> </ul>
consider Tiga			Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.

National desiration of the property of the control of the control

#### Restrictions:

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 69. oz. of this product per acre per year (3.02 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 21 days.

Ornamental Plants in greenhouses; lath and shadehouses; nurseries; landscape ornamentals; ground covers; field-and container-grown ornamentals; non-bearing fruit and nut trees and vines in nurseries: Christmas trees.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhoppers mealybugs planthoppers	nt (1.59 %) 52 6 - 20 <b>12</b> 1 - 2 1 - 144 - 145 15	0.75	Apply a minimum spray solution of 50 gallons per acre by ground.
discount for the second	e to the second of the second	a en estador su liverso en estador de la composición del composición del composición de la composición	For best results, apply when populations level reaches economic threshold. Consult local and state agricultural authorities for specific details.  Apply in sufficient water to obtain complete, uniform coverage of all plant parts including stems and underside of leaves. Applications may be made with high volume, low volume or ultra-low volume (thermal
	2000	MARTER A BERONIE	and non-thermal foggers, misters, etc.) ground equipment only. Follow the spray equipment manufacturer's directions to determine the amount of spray solution required to obtain thorough coverage.
y get entaring Lip grants s. s. nov. te, sea	n es un		Consult the spray equipment manufacturer's operator's manual, spray nozzle catalogs and/or your crop advisor for more information.
scales		- 000 1000 000 000 000 000 000 000 000 0	For optimum control of
i denomina. W us assume	14.0	0.875	<ul> <li>whiteflies, leafhoppers or planthopper, apply as soon as adult insects begin to appear.</li> </ul>
e a flor or second and the	College Land	bewoode . six f	scales, apply at early crawler emergence.
and the second second	- 35 - 11 But	A STATE OF BUILDING	mealybugs, apply as soon as insect activity
THEW OR SHALL THE	1 - 196 W	A CRAL BOTH T	is observed. The transfer and the state of t
whiteflies ****	Provide Web	a na signific agr	Good spray coverage is essential.
THE WALL DIRECT REPORTS AND	6.0	0.375	GUUU SDIQY GUYEIQUE IS ESSEIILIAI.

#### Restrictions:

Do not apply more than 2 applications per growing cycle. Do not use more than 28.0 oz. of this product per acre per growing cycle (1.23 lb. a.i. per acre per growing cycle).

Throught is a surrough right. The prosperior of the are not a first of a little fact shift checked constitution Out the first and receded to make a contract the property in the receiver and the property in recent the recent their

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#### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

PESTICIDE STORAGE: Store in original container in a cool, dry and secure location.
PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed on site or at an approved waste disposal facility.

[Plastic bottle packaging:]

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning, if burned, stay out of smoke.

[Fiber Drums with Liners:]

Just 1 CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into the handling or application equipment. Then offer for recycling if available, or dispose of liner in a sanitary landfill, or by incineration, or by burning, if allowed by state and local authorities. If burned, stay out of smoke. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

Batch Code:	of the ignit	4 . 1	HIELET TIB	187	X 11 (11 19 V
Va tan 120	E POPUL	1004 0041			

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## WARRANTY DISCLAIMER AND NOTICE

#### IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Aceto Agricultural Chemicals Corporation. To the extent consistent with applicable law all such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, ACETO AGRICULTURAL CHEMICALS CORPORATION MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Aceto Agricultural Chemicals Corporation is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, ACETO AGRICULTURAL CHEMICALS CORPORATION DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT ACETO AGRICULTURAL CHEMICALS CORPORATION'S ELECTION, THE REPLACEMENT OF PRODUCT.

All trademarks are proprietary of their respective owners.

[Made in [Japan][China] [packaged in USA]. [Active ingredient made [and formulated] in [Japan][China], [formulated in USA] [and] [package in USA]].

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#### Buprofezin 70WDG IGR

Insect Growth Regulator for use on Bananas, Coffee, Citrus Fruit, Grapes, Olives, Pears, Asian Pears, Persimmon, Pistachios, Pome Fruit, Pomegranates, Stone Fruit, Tomatoes (greenhouse) Tree Nuts, Tropical Plants, Ornamentals (greenhouse and outdoor) and Christmas Trees.

		% DT VVI
ACTIVE INGREDIENT: buprofezin		70.0%
OTHER INGREDIENTS:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	30.0%
	Tota	100.0%

EPA Reg. No. 2749-XXX EPA Est. No. reting and a settled to 1968

Net Contents:

Manufactured for: Aceto Agricultural Chemicals Corporation 4 Tri Harbor Court Port Washington, NY 11050

See [inside booklet] [back panel] for [First Aid], Precautionary Statements] [and] [Directions for use]

Read "LIMIT OF WARRANTY AND LIABILITY" before buying or using. If terms are not acceptable, return at once unopened. The deliberation of the property of the control of

### KEEP OUT OF REACH OF CHILDREN CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

	FIRST AID
lf inhaled	<ul> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth to-mouth, if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
lf on skin or clothing	<ul> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
If in eyes	<ul> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> </ul>
If swallowed	<ul> <li>Call poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by the poison control center or doctor.</li> </ul>

Emergency Assistance: Have the product container or label with you when calling a poison control. center or doctor or going for treatment. FOR EMERGENCY MEDICAL HELP, CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887.

NOTE TO PHYSICIAN: There is no specific antidote. All treatment should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred.

FOR CHEMICAL SPILL, LEAK, FIRE, EXPOSURE OR MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887.

#### PRECAUTIONARY STATEMENTS Hazards to Humans and Domestic

## CAUTION

Harmful if swallowed. Wash thoroughly with soap and water after handling. Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Harmful if inhaled. Avoid breathing spray mist. Remove contaminated clothing and wash before reuse.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### User Safety Recommendations

Users should: Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

#### ENGINEERING CONTROLS STATEMENT

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

#### **ENVIRONMENTAL HAZARDS**

For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

#### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that it will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide requiation.

#### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, depontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls over long-sleeved shirt and long pants
- Waterproof gloves
- Socks and chemical-resistant footwear

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#### NONAGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, or greenhouses. For other uses, including golf courses and other nonagricultural uses, do not enter treated areas without protective clothing until sprays have dried.

#### PRODUCT INFORMATION

This product is an insect growth regulator effective against the nymphal stages of whitefly, the second stages of whitefly, the second stages are second stages. scales, psylla, mealybugs, planthoppers, and leafhoppers by inhibiting chitin biosynthesis. suppressing oviposition of adults, and reducing viability of eggs. This product is not an adulticide. Evidence of activity may be slower than typical contact insecticides as treated susceptible pests may remain alive on the plant for 3-7 days; however, pests have stopped feeding and any feeding damage during this time is typically very low.

This product is not disruptive to beneficial insects and mites.

This product is a contact insecticide which requires good uniform through coverage of foliage and fruit to be effective. Use by ground or air in sufficient water volume to obtain through coverage specially to stems and underside of foliage. Orient nozzles to assure good coverage. Use of higher volume of water will assure better coverage, especially under adverse conditions such as hot, dry weather, and/or a dense canopy. The entire field should be treated. Apply when economic infestations occur based on local information.

#### INSECTS CONTROLLED

whiteflies: ash whitefly, banded winged whitefly, greenhouse whitefly, silverleaf whitefly, sweet potato whitefly

mealybugs: citrus mealybug, comstock mealybug, Gill's mealybug, grape mealybug, longtailed mealybug, Mexican mealybug, obscure mealybug, striped mealybug, vine mealybug

leafhoppers and planthoppers: brown planthopper, cherry leafhopper, Eastern grape leafhopper, glassy-winged sharpshooter, potato leafhopper, variegated leafhopper, Western grape leafhopper, white apple leafhopper

#### pear psylla

#### scales:

soft scales: barnacle scale, black scale, brown soft scale, citricola scale, European fruit lecanium scale, false oleander scale, frosted scale, hemispherical scale, Indian wax scale and other wax..... scales, tessellated scale, white peach scale

armored scales: boisduval scale, cactus scale, California red scale, coconut scale, fern scale Florida red scale, oystershell scale, San Jose scale

margarodid scale: cottony cushion scale

#### USE RESTRICTIONS

- This product is not for sale, sale into, distribution, and or use in Nassau and Suffolk counties of New York state.
- Do not apply this product through any type of irrigation system.
- Crop Rotational Restrictions:

CROP	PLANTBACK TIMING  0 days following application	
All crops registered for use with buprofezin		
Cereal grains	30 days following application	
All other crops the ways of takes the first of the first order.	60 days following application	

### USE PRECAUTIONS

Apply in a minimum finished spray volume of 5 gallons per acre by air. For gallonage per acre by ground, refer to Application Rate Chart.

Phytotoxicity may occur in Asian Pear varieties, normally limited to applications made prior to petal fall.

RESISTANCE MANAGEMENT: The active ingredient in Buprofezin 70WDG IGR is buprofezin, inhibitor of chitin biosynthesis, Type 1 belonging to the Insecticide Resistance Action Committee (IRAC) Group 16. This product is effective in controlling insect pests and minimizing the development of resistance when used in rotation with other insecticides in an IPM program. han john isean halipa lagikut sali ayung sa lagi buwa ingi kiluk kulisa ja

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To reduce selection pressure for resistant pests:

- · Do not use this product or another group 16 insecticide against consecutive insect generations. Consecutive applications can be used, however, within a single / same generation. It is best to use this product in rotation with classes of insecticides and modes of action other than those in IRAC group 16.
- For management of pests with short life cycles such as whiteflies, do not use this product more than once within each generation cycle.
- Always apply this product at the required rates and according to label directions. Do not use an application rate alone or in tank mixtures that is less than the minimum amount stated on the label.
- Use this product as part of an insect management program that includes cultural and biological control where possible.
- Scout pest populations and begin this product applications before the pest becomes established. Focus treatments on early immature stages for best results. For optimum control, thoroughly wet the undersides of leaves, particularly when applications are made to control pear psylla, whiteflies and thrips.
- For greenhouse use, if another insect growth regulatory with the same mode of action as a chitin biosynthesis inhibitor (i.e. cyromazine, diflubenzuron and novaluron) has been used in the greenhouse within 28 days do not apply this product as the first whitefly application.

Adopt an integrated pest management program for insecticide/acaricide use that includes scouting, uses historical information related to pesticide use crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.

Monitor after application for unexpected target pest survival. If level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor. Contact your local extension specialist or certified crop advisors for any pesticide resistance-management and/or PM recommendations for the specific site and pest problems in your area.

See specific crop Use Directions for maximum single application rate, annual maximum number of applications and amount of active ingredient.

#### APPLICATION DIRECTIONS

Applications should be made immediately after the spray solution is 'prepared. Thorough spray coverage is essential for effective control. Applications may be made with high or low volume spray equipment that provides thorough coverage of the plant. Apply with properly calibrated spray equipment. For best results, apply when pest populations are beginning to build, before reaching economic thresholds.

Consult your local agricultural advisor, or state cooperative extension service for guidance.

#### SPRAY DRIFT REDUCTION MANAGEMENT

Do not apply when wind speed favors drift beyond the area intended for treatment. The interaction of many equipment and weather-related factors determine the potential for spray drift. The applicator is responsible for considering all of these factors when making application decisions. Avoiding spray drift is the responsibility of the applicator.



An important factor influencing drift is droplet size. Small droplets (<150 - 200 microns) drift to a greater extent than large droplets. Within typical equipment specifications, applications should be made to deliver the largest droplet spectrum that provides sufficient control and coverage. Use only Medium or coarser spray nozzles (for ground and non-ULV aerial application) according to ASAE (S572) definition for standard nozzles. In conditions of low humidity and high temperatures, applicators should use a coarser droplet size.

#### **Ground Applications:**

Wind speed must be measured adjacent to the application site on the upwind side, immediately prior to application. For ground boom applications, apply using a nozzle height of no more than 4 feet above the ground or crop canopy. For airblast applications, turn off outward pointing nozzles at row ends and when spraying the outer two (2) rows. To minimize spray loss over the top in orchard applications, spray must be directed into the canopy. It is all to any view of the canopy of the can

### Aerial Applications: The could be compressed and the second pull and depend of the country of th

The spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used and must not exceed 75% of the wingspan or 80% rotor diameter. Flight speed and nozzle orientation must be considered in determining droplet size. Spray must be released at the lowest height consistent with pest control and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety. When applications are made with a cross-wind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind. Making applications at the lowest height that is safe reduces the exposure of the droplets to evaporation and wind.

Wind Speed Restrictions:

Drift potential increases at wind velocities of less than 3 mph (due to inversion potential) or more than 10 mph. However, many factors, including droplet size, canopy and equipment specifications determine drift potential at any given wind speed. Only apply this product if the wind direction favors on-target deposition. Do not apply when wind velocity exceeds 15 mph and avoid gusty and windless conditions. Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area. er you to mind a peticin dittant of the invalidation of which is the best about their

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Do not make ground applications during temperature inversions. Drift potential is high during temperature inversions. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by stable air and increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by mist or ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source. Smoke that layers and moves laterally near the ground surface in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical mixing.

#### Use Rate Equivalency is to progress a progress of the second of the second seco at decreations after whater your country decreases, on the creations are in lyprovide bester

Since this product contains 70% w/w buprofezin active ingredient (a.i.) per pound of product, the following table expresses the use rate equivalency of oz. of this product in terms of lb. active ingredient on a per acre basis. Servatoria e Utvapa 1991 addit interiteto esc

oz. of product	lb. a.i.	
per acre	per acre	
6	0.26	
7	0.31	
9	0.39	
12	0.53	
14	0.61	
18	0.79	
23	1.01	

	24	1.05	
	27	1.18	为为是 1 165 是 15 是 50 15 15 15 15 15 15 15 15 15 15 15 15 15
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SOURCE STONE OF THE DESIGNATION OF THE PERSON OF THE PERSO	34.5	1.51 2 4 17 18 18 18	SAUTON TO RETURN
material and the Profit	450	1.97	Hall Ar B. L. L. Co. And
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	91	3.98	345
	92	4.03	and the May of the same
MIVING INSTRUCTIONS	Carlotte and the state of the s	With the Little to the terms	are more than the same while

# MIXING INSTRUCTIONS

Buprofezin 70 WDG IGR is a water dispersible granule designed to be diluted with water at the rates listed in the specific crop use directions. Fill the spray tank with approximately ½ of the desired volume with water or carrier. With the agitation operating, add the specified amount of the formulation as listed in the targeted crop use directions. Complete the filling process while maintaining agitation. Remove the hose from the mixing tank immediately after filling to avoid siphoning back into the carrier source. Add nonionic surfactant and other spray additives as the last ingredients in the tank. Allow time to fully disperse.

Since this product forms a suspension in water, it is important to maintain good agitation during mixing and spraying. If the spray suspension is allowed to settle for a short period of time, be sure to agitate the spray suspension for a minimum 10 minutes. Apply spray solutions within 24 hours after mixing.

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# TANK MIXTURES. The first through the west and the most representation of the state of the properties of the state of the s

was a first of the sall by surescaped To improve this product's effectiveness, apply in combination with other pesticide products that are registered for the same crop and application techniques. For current information on the best tank mixture partner in your area, consult with the local dealer, distributor or State Agricultural Extension service.

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

If this product is to be tank mixed with other pesticides, conduct a compatibility test prior to mixing. Use a small container and mix all components in a small amount, usually 0.5 to 1qt. of spray. Combine all products in the same ratio and order of addition as in the proposed spray mixture. Observe the mixture for indication of incompatibility which usual occurs in 10 to 30 minutes after mixing. If incompatibility is observed, try changing the order of addition of the components. The guideline on tank mixture partners is driven by formulation type. Start with water dispersible granules (WDG's), wettable powders (WP's) including water soluble bags (WSB's), suspension concentrated (SC's) or flowable (F's), all with very good agitation. Next follow with water miscible concentrates and emulsifiable concentrates (EC's) before adding drift control additives, nonionic surfactants (NIS's) or crop oil concentrates (COC's). After vigorous agitation, there must be a homogeneous suspension. Let the final tank mixture stand and observe for any rapid settling or floating of components. If any indications of physical incompatibility develop, do not use this mixture for spraying.

SPRAY COVERAGE: All parts of the crop must receive uniform spray coverage or else desired result may not occur. Higher water volumes and increased spray pressure generally provide better coverage. Consult your local agricultural specialist for specific information on the best rates, timings, and spray volumes for your region. ao and he an in voneign meadar and all and any gir so

#### Buprofezin 70 WDG IGR Crop/Use Site Index

Crop

Bananas

Coffee

Citrus fruit Group 10

Citrus fruit Group 10 FL/TX

Grapes

Olives

Pears, Asian pears

Persimmon

Pistachios

Pome fruit Group 11-10 (except pears, Asian pears)

Pomegranates

Stone fruit Group 12

Tomato (Greenhouse)

Tree Nut Group 14

Tropical; Acerola, atemoya, avocado, binda, chenmoya, custard apple, feijoa, guava, ilama, jaboticaba, passion fruit, soursop, starfruit, sugar apple and wax jambu

Tropical; black sapote, canistel, marrey sapote, mango, and the sale of the sapote of papaya, sapodilia, star apple and profile judicial and a substance of the first state of

Tropical; longan, pulasan, rambutan, Spanish lime and state of the sta

Ornamentals (greenhouse and outdoor)

Christmas trees

The use rate for this product is expressed in terms of the oz. of this product per acre as Rate oz. /acre and Rate lb. /acre.

The pre-harvest interval (PHI) is the required number of days between the last application of this product and the harvesting of the crop.

The application spray volume is expressed as the number of gallons of liquid applied per acre (GPA).

#### Bananas

z./acre	lb./acre	PW011a31c22
7.0	0.438	Apply a minimum spray solution of 15 gallons per acre by ground.
	7.0	7.0 0.438

#### Restrictions:

Do not apply more than 4 applications per year.

The minimum spray interval is 14 days.

Do not use more than 27 oz. of this product per acre per year (1.18 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 1 day.

Citrus Fruits (Crop Group 10) calamondin; citron; citrus hybrids; grapefruit; kumquat; lemon; lime; Mediterranean mandarin; orange, sour; orange, sweet; pummelo; satsuma mandarin; tachibana orange; tangerine(mandarin); tangelo; trifoliate orange; cultivars, varieties, and/or hybrids of these.

Pest year manager and response	Rate oz./acre	Rate lb./acre	Application Instructions
black scales California red scale citricola scale cottony cushion scale glassy-winged sharpshooter mealybugs	34.5 – 46.0	1.5 – 2.0	Apply a minimum spray solution of 750 gallons per acre by ground.  For best results of:  red scale, apply at early crawler emergence, citricola scale, begin applications after complete crawler hatch. Spring applications can provide

	suppression and minimize honeydew accumulation,  Cottony cushion scale. Apply after July 1st.  Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.
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Do not apply more than 2 applications per year.

The minimum spray interval is 60 days.

Do not use more than 92.0 oz. of this product per acre per year (4.03 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 3 days.

Citrus Fruits (Crop Group 10) (TX & FL Only) calamondin; citron; citrus hybrids; grapefruit; kumquat; lemon; lime; Mediterranean mandarin; orange, sour; orange, sweet; pummelo; satsuma mandarin; tachibana orange; tangerine(mandarin); tangelo; trifoliate orange; cultivars, varieties, and/or hybrids of these.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
soft scales armored scales	34.5 – 46.0	2156 – 2.875	Apply a minimum spray solution of 250 gallons per acre by ground.
harmony and to acres		1,39y	For best results of
$e_{KX}^{(k,+)} = e_{KX} = e_{KX} \times e_{KX}$	ade a tag dis	g trelling ( v s.)	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on tree canopy and locations of scale insect within the tree canopy.
in order	001101010000000000000000000000000000000	- 3/	42.5

#### Restrictions:

Limited to Florida and Texas Only

Do not apply more than 2 applications per year.

The minimum spray interval is 60 days.

Do not use more than 92.0 oz. of this product per acre per year (4.03 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 3 days.

#### Coffee

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs scales	23.0	1.43	Apply a minimum spray solution of 50 gallons per acre by ground.
Bangalan alem alemana sa	a de la companya del companya de la companya del companya de la co	m£renti <sup>n</sup> , n <b>x</b> Kanga di 10	For best results of:  • mealybugs and scales, apply when populations reach economic threshold.
2(90) 174 	ur ta du la Marie de Spe		Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.

#### Restrictions:

Do not apply more than 4 applications per year.

The minimum spray interval is 14 days.

Do not use more than 91.0 oz. of this product per acre per year (3.98 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 0 day.



Pest (%	Rate oz./acre	Rate Ib./acre	Application Instructions
European fruit lecanium scale	12.0 \ ( ) = ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	0.75	Apply a minimum spray solution of 50 gallons per acre by ground. Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy, Use higher volumes for dense canopies.
Mark of Said Andrews and Townships and the of trade collections again	sign affilian	The SUMBORD	For best results of         leafhoppers, apply when majority of the population is at early nymphal stage,         mealybugs, begin applications at early crawler emergence.
leafhopper mealybugs	9.0 – 12.0	0.56 - 0.75	Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.

Do not apply more than 2 applications per year.

Aprilio agent presentation.

The minimum spray interval is 14 days.

Do not use more than 24. oz. of this product per acre per year (1.05 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 7 days.

Rate oz./acre	Rate lb./acre	Application Instructions
24.0	1.5	Apply a minimum spray solution of 50 gallons per acre by ground. Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust
		volume based on size of the grape canopy, Use higher volumes for dense canopies.
		For best results of
		<ul> <li>mealybugs, begin applications at early crawle emergence.</li> </ul>
Actual Control of the		Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray
	transport of	will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.
	24.0  10.2	24.0 Ib/acre  24.0 In a page to a solution of the page to a solution o

#### Restrictions:

Limited to Arizona and California Only

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 24. oz. of this product per acre per year (1.05 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 30 days.

#### Olives

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Few stroup it it peuglet et pan)

ional antesA

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
scales	34.5 – 46.0	2.156 - 2.875	Apply a minimum spray solution of 110 to 500 gallons per acre by ground.
	to a particular of the particu	tnarcought invited according to the second or the second o	black scale, apply after complete crawler emergence from the female scale has occurred,     Other scales, apply at early crawler
ndeto Higgero apia integor transportante de 1823 a estado interes 1823	g gerdasin Ingritisatis	postocite 15 species 19 species	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.  Good spray coverage is essential. Orient nozzles to
gerte se en mens for Anton mones en deser Sectes mandation after	ha misk byzak Çığınığı iz. o	TOP TOWN DAY	assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.

Do not apply more than 2 applications per year.

The minimum spray interval is 50 days.

Do not use more than 92.0 oz. of this product per acre per year (4.03 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 21 days.

Pest and house	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs pear psylla scales	34.5 – 46.0	2.156 - 2.875	Apply a minimum spray solution of 80 gallons per acre by ground.
D 33	of this active of the affect to off about	^	For best results of              1 <sup>st</sup> and 2 <sup>nd</sup> instar pear psylla, apply pre- bloom or at petal fall. In-season, apply when smaller pear psylla nymphs are present,
		Lingui wed to figureda trapido en productivo en ele-	<ul> <li>Tank mix with adulticide for optimum control,</li> <li>mealybugs or San Jose scale, apply pre- bloom r at first crawler emergence,</li> <li>other scales, apply at early crawler emergence.</li> </ul>
Linu ye ur	PRODUCTION I	Pada se u	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.  Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense
Restrictions:			canopy.  Phytotoxicity may occur in Asian pear varieties but is normally limited to applications made prior to petal fall.

Do not apply more than 2 applications per year.

The minimum spray interval is 7 days.

Do not use more than 69.0 oz. of this product per acre per year (3.02 lb. a.i. per acre per year).

Halmon E "mon William & S.V. Little See Al.

Pre-Harvest Interval (PHI) is 14days.

#### Persimmons

Pest end and and	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs soft scales European	34.50	2.156	Apply a minimum spray solution of 100 gallons per acre by ground.
fruit lecanium scales	traste.	A R	For best results of
frosted scale  as a confishing partial in proceedings of the process of the confishing of the confishi	isayo salif spato. Barata salahili	h:	<ul> <li>mealybugs, apply at beginning of crawler emergence. This product is most effective on early developmental stage of mealybugs</li> </ul>
Bayer or to us see by the Alice Inches page of a see a souther or all of the second or all or		76.L 76.L	<ul> <li>scales, apply a beginning of crawler emergence of the scale generation being targeted.</li> </ul>
		di	Good spray coverage is essential.

#### Restrictions:

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 69.0 oz. of this product per acre per year (3.02 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 14 days.

Pome Fruits (Crop Group 11-10 except pears (see separate directions for pears) apple, azarole, crabapple, loquat, mayhaw, medlar, quince, Chinese quince, Japanese quince, tejocote; cultivars, varieties, and/or hybrids of these.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhoppers	9.0 - 12.0	0.56 - 0.75	Apply a minimum spray solution of 80 gallons per acre by ground. For low-volume sprayers use a minimum of 20 gallons per acre.
			For best results of
g at an year das			
nergas na rikasi. Tangan bernasi at			
			emergence, apply at early drawler that references
a en volunteril	an English		<ul> <li>mealybugs, apply at dormant, delayed dormant to petal fall when nymphs are present. Apply in- season at early crawler emergence.</li> </ul>
	- V	D & SIME	Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray
	0 - +1	0.5 - M H14	will assure better coverage especially under adverse
T. G. Lev. Strate of Law year	ic i de law	trail	conditions, such as hot, dry weather and/or a dense canopy.
mealybugs scales	34.5	2.156	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume
12 12 mg 10 mg 10 mg	1570 of 1		based on size of the grape canopy, Use higher
12" R 0 24'v	aras Hildu		volumes for dense canopies.
Restrictions:	To No Works	fr.) ta	

Do not apply more than 1 application per year.

Do not use more than 34.5 oz. of this product per acre per year (1.51 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 14 days.

Pomegranates

Pest	Par Muste	Rate oz./acre	Rate lb./acre	Application Instructions
whiteflie	<b>S</b>   (32) + in (	12 – 34.5	0.75 – 2.156	Apply a minimum spray solution of 50 gallons per acre by ground.
		3,0 -	or as trailing & I	For best results of
\$1.00 h	tion is but	ya e sant sati	THE STATE OF THE S	<ul> <li>Brown soft scale, apply at dormant timing targeting the overwintering population or at crawlier emergence during the summer,</li> </ul>
	the state of the s	6 4 5 6 6 16 6 7 6 1	luis a constant and a	<ul> <li>San Jose scale, apply at dormant, delayed dormant, pre- bloom or in-season at early crawler emergence,</li> <li>whiteflies, apply at early nymph threshold,</li> </ul>
		en ica i galaces		other scales, apply at early crawler emergence,     mealybugs, apply when early crawler emergence occurs.
mealybu	an 1		(1) x 1/2 2 200	Good spray coverage is essential.
scales		34.5 – 46.0	2.156 – 2.875	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy, Use higher volumes for dense canopies.

#### Restrictions:

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 69.0 oz. of this product per acre per year (3.02 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 14 days.

Stone Fruits (Crop Group 12-12) apricot, Japanese apricot, capulin, black cherry, Nanking cherry, sweet cherry, tart cherry, Chinese jujube, nectarines, peach, plum, American plum, beach plum, Canada plum, cherry plum, chickasaw plum, damson plum, Japanese plum, klamath plum, prune plum, plumcot, sloe, cultivars, varieties and/or hybrids of these

Pest a region of an artist	Rate oz./acre	Rate Ib./acre	Application Instructions
mealybugs scales	34.5	2.156	Apply a minimum spray solution of 50 gallons per acre by ground.
en de la companya de	and the particular for the second sec		San Jose scale, apply at dormant, delayed dormant, pre- bloom when scale is in the black cap stage or in-season at early crawler emergence,     other scales, apply at early crawler emergence,     mealybugs, apply when early crawler emergence occurs.

01 - 13 - 13 - 14 9 9 10 10 - 10	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Good spray coverage is essential.
	in acquerica articletà calc a la conserva accessora	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher
W 19	De la Santa	volumes for dense canopies.

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 69.0 oz. of this product per acre per year (3.02 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 14 days.

Tree Nuts (Crop Group 14) almonds, beechnuts, Brazil nuts, butternuts, cashews, chestnuts, chinquapins, filberts, hickory nuts, macadamia nuts, pecans, walnuts {black and English) and pistachios.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs scales	34.5 – 46.0	2.156 – 2.875	Apply a minimum spray solution of 100 gallons per acre by ground.
	Total Const	Par	For best results of
	e and local	ns-où s ses roy r	<ul> <li>San Jose scale, apply at dormant, delayed dormant, pre- bloom when scale is in the black cap stage or in-season at early crawler emergence or when scales are of a susceptible early nymphal stage,</li> <li>other scales, apply at early crawler emergence.</li> <li>mealybugs, apply when early crawler emergence occurs.</li> <li>Good spray coverage is essential.</li> </ul>
		_	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume
\$760 - 40	a political (pro-	State of the state of	based on size of the tree canopy, Use higher volumes for dense canopies.

### Restrictions:

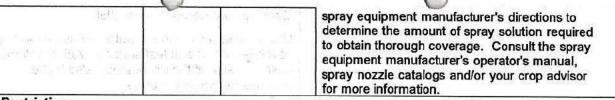
Do not apply more than 1 application per year.

Do not use more than 46.0 oz. of this product per acre per year (2.01 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 60 days.

omatoes (Greenhouse)

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhopper mealybugs planthoppers	9.0	0.56	Apply by ground on 2 acre minimum with spray solution of 20 gallons per acre.
, a y	a ya a safi		For best results, apply when populations level reaches economic threshold. Consult local and state agricultural authorities for specific details.  Good coverage is essential.
whiteflies	6.0 – 9.0	0.38 - 0.56	Apply in sufficient water to obtain complete coverage of all plant parts. Applications may be made with high volume, low volume or ultra-low volume (thermal and non-thermal foggers, misters, etc.) ground equipment only. Follow the



Do not apply more than 2 applications per growing cycle.

The minimum spray interval is 5 days.

Do not use more than 18.0 oz. of this product per acre per growing cycle (0.79 lb. a.i. per acre per growing cycle).

Pre-Harvest Interval (PHI) is 1 day.

Tropical; acerola, atemoya, avocado, binda, chermoya, custard apple, feijoa, guava, ilama,

jaboticaba, passion fruit, soursop, starfruit, sugar apple and wax jambu.

Pest garage and an are	Rate oz./acre	Rate Ib./acre	Application Instructions
scales	34.5	2.156	Apply a minimum spray solution of 20 gallons per acre by ground.
en arada e recentos	100	erio de la Companya d	For best results of the second
	- 7	agress of	<ul> <li>scale and mealybugs, begin applications at early crawler emergence.</li> </ul>
leafhoppers mealybugs whiteflies	9. 0 - 12.0	0.56 - 0.75	

#### Restrictions:

Limited to Florida, Hawaii and Puerto

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 69. oz. of this product per acre per year (3.02 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 21 days.

### Tropical; black sapote, canistel, mamey sapote, mango, papaya, sapodilia, star apple.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhoppers mealybugs scales	9.0 - 12.0	0.56 - 0.75	Apply a minimum spray solution of 20 gallons per acre by ground.
whiteflies	No. 1. Morgal		For best results of

#### Restrictions:

Limited to Florida, Hawaii and Puerto

Do not apply more than 5 applications per year.

The minimum spray interval is 14 days.

Do not use more than 45 oz. of this product per acre per year (1.97 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 3 days.

Tropical; longan, pulasan, rambutan, Spanish lime.

Pest Pest	Rate	Rate	Application Instructions
Allowed the control than	oz./acre	lb./acre	

scales	34.5	2.156	Apply a minimum spray solution of 75 gallons per acre by ground.
	AAL Lyr dagus		For best results of  scales, apply at early crawler emergence for best control.
8 10 A 16 A	E I SAN IO SA	(3)	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 69. oz. of this product per acre per year (3.02 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 21 days.

Ornamental Plants in greenhouses; lath and shadehouses; nurseries; landscape ornamentals; ground covers; field-and container-grown ornamentals; non-bearing fruit and nut trees and vines in

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhoppers	Manual Disco	1,110 00	Apply a minimum spray solution of 50 gallons per
mealybugs	12	0.75	acre by ground.
planthoppers	S. H. Preof L.	15 pt 901	THE DO NOT THE THEORY AND OUT OF THE STATE OF THE
alled a grow of the	Harbara A		For best results, apply when populations level reaches economic threshold. Consult local and state agricultural authorities for specific details.  Apply in sufficient water to obtain complete, uniform
			coverage of all plant parts including stems and underside of leaves. Applications may be made with high volume, low volume or ultra-low volume (thermal and non-thermal foggers, misters, etc.) ground
	165 V2-5	S. I WAY SERVED	equipment only. Follow the spray equipment
	38	Comment of	manufacturer's directions to determine the amount of spray solution required to obtain thorough coverage.  Consult the spray equipment manufacturer's
agaings the same	out the Tailt	and the second of the second	operator's manual, spray nozzle catalogs and/or your crop advisor for more information.
scales			For optimum control of
e na gap affects spines	14.0	0.875	<ul> <li>whiteflies, leafhoppers or planthopper, apply as soon as adult insects begin to appear.</li> </ul>
a right of the print of	1 (bs _ 1 = 1	De the state of	scales, apply at early crawler emergence.
and the second s	e a permitting	Market W. A	mealybugs, apply as soon as insect activity
CONTRACTOR OF THE PARTY OF THE	12 (532, 270)	0 5 8241 (Y TI	is observed.
whiteflies	6.0	0.375	Good spray coverage is essential.

#### Restrictions:

Do not apply more than 2 applications per growing cycle.

Do not use more than 28.0 oz. of this product per acre per growing cycle (1.23 lb. a.i. per acre per growing cycle).

BENEFOR THE SETTEMENT SALE AND SALE OF THE PROPERTY OF THE SALE OF ngaran dalam kalang ping disebagai di matria disebat Kasapa Partia dalam baharah Serikat di Katabe Seba

O TOTAL MEDICAL CONTRACTOR SERVICES OF THE SER 가는 1 5명하기 하십시오는 전환 1명 중앙한 XMV 이 유선 3 km2 기간에 당한하는 보다는 모든 바다 하나는 사용 작가들이 되는 없는 것 같다.

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

PESTICIDE STORAGE: Store in original container in a cool, dry and secure location.
PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed on site or at an approved waste disposal facility.

[Plastic bottle packaging:]

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

[Fiber Drums with Liners:]

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into the handling or application equipment. Then offer for recycling if available, or dispose of liner in a sanitary landfill, or by incineration, or by burning, if allowed by state and local authorities. If burned, stay out of smoke, If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

Batch	Code:	970,0	Wall of	11 %	1511	10 Fv

#### WARRANTY DISCLAIMER AND NOTICE

#### IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury. ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Aceto Agricultural Chemicals Corporation. To the extent consistent with applicable law all such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, ACETO AGRICULTURAL CHEMICALS CORPORATION MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE. THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Aceto Agricultural Chemicals Corporation is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, ACETO AGRICULTURAL CHEMICALS CORPORATION DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT ACETO AGRICULTURAL CHEMICALS CORPORATION'S ELECTION, THE REPLACEMENT OF PRODUCT.

All trademarks are proprietary of their respective owners.

[Made in [Japan][China] [packaged in USA]. [Active ingredient made [and formulated] in [Japan][China], [formulated in USA] [and] [package in USA]].

## **Buprofezin 70WDG IGR**

Insect Growth Regulator for use on Bananas, Coffee, Citrus Fruit, Grapes, Olives, Pears, Asian Pears, Persimmon, Pistachios, Pome Fruit, Pomegranates, Stone Fruit, Tomatoes (greenhouse) Tree Nuts, Tropical Plants, Ornamentals (greenhouse and outdoor) and Christmas Trees.

92-97-98-237-93-23-73-98-93-93-93-93-93-93-93-98-98-78- 28-87-98-78-	% BI VVI
ACTIVE INGREDIENT: buprofezin	70.0%
OTHER INGREDIENTS:	30.00%
	Total 100.0%

EPA Reg. No. 2749-XXX Net Contents: EPA Est. No.

Manufactured for: Aceto Agricultural Chemicals Corporation 4 Tri Harbor Court at the contract the state of the state Port Washington, NY 11050

See [inside booklet] [back panel] for [First Aid], Precautionary Statements] [and] [Directions for use]

Read "LIMIT OF WARRANTY AND LIABILITY" before buying or using. If terms are not acceptable, return at once unopened.

## KEEP OUT OF REACH OF CHILDREN CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

	FIRST AID
If inhaled	<ul> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth to-mouth, if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
If on skin or clothing	<ul> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
If in eyes	<ul> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> </ul>
If swallowed	<ul> <li>Call poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by the poison control center or doctor.</li> </ul>

Emergency Assistance: Have the product container or label with you when calling a poison control. center or doctor or going for treatment. FOR EMERGENCY MEDICAL HELP, CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887.

NOTE TO PHYSICIAN: There is no specific antidote. All treatment should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have

FOR CHEMICAL SPILL, LEAK, FIRE, EXPOSURE OR MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887.

### PRECAUTIONARY STATEMENTS Hazards to Humans and Domestic

# CAUTION

Harmful if swallowed. Wash thoroughly with soap and water after handling. Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Harmful if inhaled. Avoid breathing spray mist. Remove contaminated clothing and wash before reuse.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### User Safety Recommendations

Users should: Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

### ENGINEERING CONTROLS STATEMENT

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS. WATER BEAUTIFUL TO BE SEEN AND A SEED OF THE SAME

#### **ENVIRONMENTAL HAZARDS**

For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

#### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that it will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

#### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontains, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls over long-sleeved shirt and long pants
- Socks and chemical-resistant footwear

#### NONAGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, or greenhouses. For other uses, including golf courses and other nonagricultural uses, do not enter treated areas without protective clothing until sprays have dried.

#### PRODUCT INFORMATION

This product is an insect growth regulator effective against the nymphal stages of whitefly. scales, psylla, mealybugs, planthoppers, and leafhoppers by inhibiting chitin biosynthesis. suppressing oviposition of adults, and reducing viability of eggs. This product is not an adulticide. Evidence of activity may be slower than typical contact insecticides as treated susceptible pests may remain alive on the plant for 3-7 days; however, pests have stopped feeding and any feeding damage during this time is typically very low.

This product is not disruptive to beneficial insects and mites.

This product is a contact insecticide which requires good uniform through coverage of foliage and fruit to be effective. Use by ground or air in sufficient water volume to obtain through coverage specially to stems and underside of foliage. Orient nozzles to assure good coverage. Use of higher volume of water will assure better coverage, especially under adverse conditions such as hot, dry weather, and/or a dense canopy. The entire field should be treated. Apply when economic infestations occur based on local information.

#### INSECTS CONTROLLED

whiteflies: ash whitefly, banded winged whitefly, greenhouse whitefly, silverleaf whitefly, sweet potato whitefly

mealybugs: citrus mealybug, comstock mealybug, Gill's mealybug, grape mealybug, longtailed mealybug, Mexican mealybug, obscure mealybug, striped mealybug, vine mealybug

leafhoppers and planthoppers: brown planthopper, cherry leafhopper, Eastern grape leafhopper, glassy-winged sharpshooter, potato leafhopper, variegated leafhopper, Western grape leafhopper, white apple leafhopper

## pear psylla

#### scales:

soft scales: barnacle scale, black scale, brown soft scale, citricola scale, European fruit lecanium. scale, false oleander scale, frosted scale, hemispherical scale, Indian wax scale and other wax .... scales, tessellated scale, white peach scale

THE WAS IN A SECOND OF THE BUILDING OF THE SECOND OF THE S

armored scales: boisduval scale, cactus scale, California red scale, coconut scale, fern scale, Florida red scale, oystershell scale, San Jose scale

margarodid scale: cottony cushion scale

#### USE RESTRICTIONS

- This product is not for sale, sale into, distribution, and or use in Nassau and Suffolk counties of New York state.
- Do not apply this product through any type of irrigation system.
- Crop Rotational Restrictions:

CROP	PLANTBACK TIMING  0 days following application  30 days following application	
All crops registered for use with buprofezin		
Cereal grains		
All other crops	60 days following application	

#### USE PRECAUTIONS

and with a beautiful water water and a series with the Apply in a minimum finished spray volume of 5 gallons per acre by air. For gallonage per acre by ground, refer to Application Rate Chart.

Phytotoxicity may occur in Asian Pear varieties, normally limited to applications

made prior to petal fall.

RESISTANCE MANAGEMENT: The active ingredient in Buprofezin 70WDG IGR is buprofezin, inhibitor of chitin biosynthesis, Type 1 belonging to the Insecticide Resistance Action Committee (IRAC) Group 16. This product is effective in controlling insect pests and minimizing the development of resistance when used in rotation with other insecticides in an IPM program.

To reduce selection pressure for resistant pests:

- Do not use this product or another group 16 insecticide against consecutive insect generations. Consecutive applications can be used, however, within a single / same generation. It is best to use this product in rotation with classes of insecticides and modes of action other than those in IRAC group 16.
- For management of pests with short life cycles such as whiteflies, do not use this product more than once within each generation cycle.
- Always apply this product at the required rates and according to label directions. Do not use an application rate alone or in tank mixtures that is less than the minimum amount stated on the label.
- Use this product as part of an insect management program that includes cultural and biological control where possible.
- Scout pest populations and begin this product applications before the pest becomes established. Focus treatments on early immature stages for best results. For optimum control, thoroughly wet the undersides of leaves, particularly when applications are made to control pear psylla, whiteflies and thrips.
- For greenhouse use, if another insect growth regulatory with the same mode of action as a chitin biosynthesis inhibitor (i.e. cyromazine, diflubenzuron and novaluron) has been used in the greenhouse within 28 days do not apply this product as the first whitefly application.

Adopt an integrated pest management program for insecticide/acaricide use that includes scouting, uses historical information related to pesticide use crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.

Monitor after application for unexpected target pest survival. If level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor. Contact your local extension specialist or certified crop advisors for any pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.

See specific crop Use Directions for maximum single application rate, annual maximum number of applications and amount of active ingredient.

### APPLICATION DIRECTIONS

Applications should be made immediately after the spray solution is 'prepared. Thorough spray coverage is essential for effective control. Applications may be made with high or low volume spray equipment that provides thorough coverage of the plant. Apply with properly calibrated spray equipment. For best results. apply when pest populations are beginning to build, before reaching economic thresholds.

Consult your local agricultural advisor, or state cooperative extension service for guidance.

### SPRAY DRIFT REDUCTION MANAGEMENT

Do not apply when wind speed favors drift beyond the area intended for treatment. The interaction of many equipment and weather-related factors determine the potential for spray drift. The applicator is responsible for considering all of these factors when making application decisions. Avoiding spray drift is the responsibility of the applicator.



An important factor influencing drift is droplet size. Small droplets (<150 - 200 microns) drift to a greater extent than large droplets. Within typical equipment specifications, applications should be made to deliver the largest droplet spectrum that provides sufficient control and coverage. Use only Medium or coarser spray nozzles (for ground and non-ULV aerial application) according to ASAE (S572) definition for standard nozzles. In conditions of low humidity and high temperatures, applicators should use a coarser droplet size.

#### Ground Applications:

Wind speed must be measured adjacent to the application site on the upwind side, immediately prior to application. For ground boom applications, apply using a nozzle height of no more than 4 feet above the ground or crop canopy. For airblast applications, turn off outward pointing nozzles at row ends and when spraying the outer two (2) rows. To minimize spray loss over the top in orchard applications, spray must be directed into the canopy.

## Aerial Applications: The same of the property of the property

The spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used and must not exceed 75% of the wingspan or 80% rotor diameter. Flight speed and nozzle orientation must be considered in determining droplet size. Spray must be released at the lowest height consistent with pest control and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety. When applications are made with a cross-wind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind. Making applications at the lowest height that is safe reduces the exposure of the droplets to evaporation and wind.

Wind Speed Restrictions:

Drift potential increases at wind velocities of less than 3 mph (due to inversion potential) or more than 10 mph. However, many factors, including droplet size, canopy and equipment specifications determine drift potential at any given wind speed. Only apply this product if the wind direction favors on-target deposition. Do not apply when wind velocity exceeds 15 mph and avoid gusty and windless conditions. Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.

# Restrictions During Temperature Inversions: And different dark and distributed to the field of the different darks.

Do not make ground applications during temperature inversions. Drift potential is high during temperature inversions. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by stable air and increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by mist or ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source. Smoke that layers and moves laterally near the ground surface in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical mixing.

# Use Rate Equivalency and the state of the st

Since this product contains 70% w/w buprofezin active ingredient (a.i.) per pound of product, the following table expresses the use rate equivalency of oz. of this product in terms of lb. active ingredient on a per acre basis. TO VIDENARY OF THE PROPERTY.

oz. of product	lb. a.i.
per acre	per acre
6	0.26
7	0.31
9	0.39
12	0.53
14	0.61
18	0.79
23	1.01

*	0		
	24	1.05	
	27	1.18	registration and the resistance of
PROPERTY OF SWITTER	4 0 5 28 1 7 2 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	a 9 1.23 C b a 110	APPROPRIES OF THE STREET
TOUR STATE OF THE STATE OF	2 - Kin 34.5 F 2 - 01/2 - 2 - 0 - Q	1.51	Publication of about Based
Private and Mark	981 45, 2000 100 100 100	1.97	
is a set in the second of the	461 militaria (1)	2.01	The state of the state of the
The Property of the state of th	60	2.63	WHEN A PROPERTY OF A STATE OF A S
	69	3.02	
	91	3.98	
	92	4.03	PART AND STATE OF THE CASE OF
MIXING INSTRUCTIONS	र प्रदेश के दिल्ला के अपने के प्रदेश है। इस इस के दिल्ला के अपने के अपने के स्थाप	CONTRACTOR OF THE PERSON	englisher with damen

Buprofezin 70 WDG IGR is a water dispersible granule designed to be diluted with water at the rates listed in the specific crop use directions. Fill the spray tank with approximately ½ of the desired volume with water or carrier. With the agitation operating, add the specified amount of the formulation as listed in the targeted crop use directions. Complete the filling process while maintaining agitation. Remove the hose from the mixing tank immediately after filling to avoid siphoning back into the carrier source. Add nonionic surfactant and other spray additives as the last ingredients in the tank. Allow time to fully disperse.

Since this product forms a suspension in water, it is important to maintain good agitation during mixing and spraying. If the spray suspension is allowed to settle for a short period of time, be sure to agitate the spray suspension for a minimum 10 minutes. Apply spray solutions within 24 hours after mixing.

# TANK MIXTURES TO THE THEORY OF THE PROPERTY OF

To improve this product's effectiveness, apply in combination with other pesticide products that are registered for the same crop and application techniques. For current information on the best tank mixture partner in your area, consult with the local dealer, distributor or State Agricultural Extension service.

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

If this product is to be tank mixed with other pesticides, conduct a compatibility test prior to mixing. Use a small container and mix all components in a small amount, usually 0.5 to 1qt. of spray. Combine all products in the same ratio and order of addition as in the proposed spray mixture. Observe the mixture for indication of incompatibility which usual occurs in 10 to 30 minutes after mixing. If incompatibility is observed, try changing the order of addition of the components. The guideline on tank mixture partners is driven by formulation type. Start with water dispersible granules (WDG's), wettable powders (WP's) including water soluble bags (WSB's), suspension concentrated (SC's) or flowable (F's), all with very good agitation. Next follow with water miscible concentrates and emulsifiable concentrates (EC's) before adding drift control additives, nonionic surfactants (NIS's) or crop oil concentrates (COC's). After vigorous agitation, there must be a homogeneous suspension. Let the final tank mixture stand and observe for any rapid settling or floating of components. If any indications of physical incompatibility develop, do not use this mixture for spraying.

SPRAY COVERAGE: All parts of the crop must receive uniform spray coverage or else desired result may not occur. Higher water volumes and increased spray pressure generally provide better coverage. Consult your local agricultural specialist for specific information on the best rates, timings, and spray volumes for your region. ou in protosophic in the site of the site of

### Buprofezin 70 WDG IGR Crop/Use Site Index

Crop Bananas Coffee Citrus fruit Group 10 Citrus fruit Group 10 FL/TX Grapes Olives

Page

Pears, Asian pears

Persimmon

**Pistachios** 

Pome fruit Group 11-10 (except pears, Asian pears)

**Pomegranates** 

Stone fruit Group 12

Tomato (Greenhouse)

Tree Nut Group 14

Tropical; Acerola, atemoya, avocado, binda, chenmoya, custard apple, feijoa, guava, ilama, jaboticaba, passion fruit, soursop, starfruit, sugar apple and wax jambu

Tropical; black sapote, canistel, mamey sapote, mango, papaya, sapodilia, star apple

Tropical; longan, pulasan, rambutan, Spanish lime

Ornamentals (greenhouse and outdoor)

Christmas trees

The use rate for this product is expressed in terms of the oz. of this product per acre as Rate oz. /acre and Rate lb. /acre.

The pre-harvest interval (PHI) is the required number of days between the last application of this product and the harvesting of the crop.

The application spray volume is expressed as the number of gallons of liquid applied per acre (GPA).

#### Bananas

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhoppers mealybugs	7.0	0.438	Apply a minimum spray solution of 15 gallons per acre by ground.
scales whiteflies			Lycur - Dev Wargery - 11 miles - 0.

#### Restrictions:

Do not apply more than 4 applications per year.

The minimum spray interval is 14 days.

Do not use more than 27 oz. of this product per acre per year (1.18 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 1 day.

Citrus Fruits (Crop Group 10) calamondin; citron; citrus hybrids; grapefruit; kumquat; lemon; lime; Mediterranean mandarin; orange, sour; orange, sweet; pummelo; satsuma mandarin; tachibana orange; tangerine(mandarin); tangelo; trifoliate orange; cultivars, varieties, and/or hybrids of these.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
black scales California red scale citricola scale cottony cushion scale glassy-winged sharpshooter mealybugs	34.5 – 46.0	1.5 – 2.0	Apply a minimum spray solution of 750 gallons per acre by ground.  For best results of:  red scale, apply at early crawler emergence, citricola scale, begin applications after complete crawler hatch. Spring applications can provide

	suppression and minimize honeydew accumulation,  Cottony cushion scale. Apply after July 1st.  Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.
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Do not apply more than 2 applications per year.

The minimum spray interval is 60 days.

Do not use more than 92.0 oz. of this product per acre per year (4.03 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 3 days.

Citrus Fruits (Crop Group 10) (TX & FL Only) calamondin; citron; citrus hybrids; grapefruit; kumquat; lemon; lime; Mediterranean mandarin; orange, sour; orange, sweet; pummelo; satsuma mandarin; tachibana orange; tangerine(mandarin); tangelo; trifoliate orange; cultivars, varieties, and/or hybrids of these.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
soft scales armored scales	34.5 – 46.0	2156 – 2.875	Apply a minimum spray solution of 250 gallons per acre by ground.
pr	office of the con-	Page Ray R	For best results of
10 to her my h		12, 18 n d	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on tree canopy and locations of scale insect within the tree canopy.

A BUTH

#### Restrictions:

Limited to Florida and Texas Only

Do not apply more than 2 applications per year.

The minimum spray interval is 60 days.

Do not use more than 92.0 oz. of this product per acre per year (4.03 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 3 days.

#### Coffee

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs scales	23.0	1.43	Apply a minimum spray solution of 50 gallons per acre by ground.
	72 15 10 F 17 10 I I I	onstruct orași la 16	For best results of:
Artija Stanton der rije (Bi	Safety of the man	, ¥	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.

#### Restrictions:

Do not apply more than 4 applications per year.

The minimum spray interval is 14 days.

Do not use more than 91.0 oz. of this product per acre per year (3.98 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 0 day.

Grapes

Pest in arrive the mittal	Rate oz./acre	Rate Ib./acre	Application Instructions
European fruit lecanium scale	five til garant Luit	0.75 NO E	Apply a minimum spray solution of 50 gallons per acre by ground. Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy, Use higher volumes for dense canopies.
Commit Store on the Line of the Committee of the Committe	A CALADIA	n Bruh - 33ki nd syrin i ne Adome hal	For best results of         • leafhoppers, apply when majority of the population is at early nymphal stage,         • mealybugs, begin applications at early crawler emergence.
leafhopper mealybugs	9.0 – 12.0	0.56 - 0.75	Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.

### Restrictions:

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 24. oz. of this product per acre per year (1.05 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 7 days.

Grapes (AZ and CA Only)

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs	24.0	1.5	Apply a minimum spray solution of 50 gallons per acre by ground. Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy, Use higher volumes for dense canopies.
35 / 1/10 1 1 1 to 10 10		P. 16	inglier volumes for defise carlopies.
Lima to a think will		10	For best results of
to the grant of an order	y qi aq		<ul> <li>mealybugs, begin applications at early crawle emergence.</li> </ul>
	0	edi Sur	Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray
of the second second	V		will assure better coverage especially under adverse
semples parties are sent	k i justen Nas interna		conditions, such as hot, dry weather and/or a dense canopy.

#### Restrictions:

Limited to Arizona and California Only

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 24. oz. of this product per acre per year (1.05 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 30 days.

Point (Second Assert Assert Assert

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
scales	34.5 – 46.0	2.156 - 2.875	Apply a minimum spray solution of 110 to 500 gallons per acre by ground.
and animal Winds	hills in the s	mornia de Capação	fine quantities
tion of the Styles College	by the will a a	and in beauting syn	For best results of
1-14-12 U 14: 58			<ul> <li>black scale, apply after complete crawler</li> </ul>
101			emergence from the female scale has
	Tighte by the	grane to return	STATE OF THE STATE
		pelinarism of	<ul> <li>Other scales, apply at early crawler emergence.</li> </ul>
E = 11 (MH) 247 A			Use a sufficient volume of water to ensure thorough
	TRUE TRUE TO THE		coverage of fruit and leaf surfaces. Adjust volume
NAL TOWNS OF U.S.	BURELL E	MAL SIE	based on size of the tree canopy, Use higher
		TRI LOVE	volumes for dense canopies.
1 - 48 8 4 55 4 5	1-1-1-1	and the second	Good spray coverage is essential. Orient nozzles to
WAYS BY TO LOOK ON THE			assure good coverage. Use a higher volume of spray
Total of the decide	ET EST MODE	(die) to see le-	will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.

Do not apply more than 2 applications per year.

The minimum spray interval is 50 days.

Do not use more than 92.0 oz. of this product per acre per year (4.03 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 21 days.

Pears (Group 11-10 pear; Asian pear)

Pest:	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs pear psylla scales	34.5 – 46.0	2.156 - 2.875	Apply a minimum spray solution of 80 gallons per acre by ground.
greater that the enter the	in 1920 - Kara yi Marin aya Marin Marin aya Marin	e a greater	For best results of  1st and 2nd instar pear psylla, apply pre- bloom or at petal fall. In-season, apply when smaller pear psylla nymphs are present, Tank mix with adulticide for optimum control,
	18. SI (N) (SI	er or a	<ul> <li>mealybugs or San Jose scale, apply pre- bloom r at first crawler emergence,</li> <li>other scales, apply at early crawler emergence.</li> </ul>
approximate	W S K		Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.  Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense
Restrictions:	le relegi feti ed		Phytotoxicity may occur in Asian pear varieties but is normally limited to applications made prior to petal fall.

Do not apply more than 2 applications per year.

The minimum spray interval is 7 days.

Do not use more than 69.0 oz. of this product per acre per year (3.02 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 14days.

#### Persimmons

Pest promotion	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs soft scales European	34.50	2.156	Apply a minimum spray solution of 100 gallons per acre by ground.
fruit lecanium scales	18 6	1 KI 2 KI	For best results of
frosted scale	E DE DE LA	eria en e Pa	<ul> <li>mealybugs, apply at beginning of crawler emergence. This product is most effective on early developmental stage of mealybugs</li> </ul>
	21		<ul> <li>scales, apply a beginning of crawler emergence of the scale generation being targeted.</li> </ul>
			Good spray coverage is essential.

#### Restrictions:

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 69.0 oz. of this product per acre per year (3.02 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 14 days.

Pome Fruits (Crop Group 11-10 except pears (see separate directions for pears) apple, azarole, crabapple, loquat, mayhaw, medlar, quince, Chinese quince, Japanese quince, tejocote; cultivars, varieties, and/or hybrids of these

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhoppers	9.0 - 12.0	0.56 - 0.75	Apply a minimum spray solution of 80 gallons per acre by ground. For low-volume sprayers use a minimum of 20 gallons per acre.
			For best results of
problem grass as			San Jose scale, apply at dormant, delayed dormant, pre- bloom or in-season at early crawler emergence,
and started the	, " - 1E = - 15%	wein ra	other scales, apply at early crawler
2 and annay			a seemergence, រួមមក នាយាន នូកមិន្ត អំនុង មួយ
apag <b>y</b> njani	nedspinna in	Page 1911	<ul> <li>mealybugs, apply at dormant, delayed dormant to petal fall when nymphs are present. Apply in- season at early crawler emergence.</li> </ul>
		T. F. Villian err	Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray
tion is an all the stage	1.00 1.050 & 10	his and the same of the same o	will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.
mealybugs scales	34.5	2.156	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy, Use higher
	34.5	2.156	coverage of fruit and leaf surfaces. Adjust volun

Do not apply more than 1 application per year.

Do not use more than 34.5 oz. of this product per acre per year (1.51 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 14 days.

**Pomegranates** 

Pest graduation	Rate oz./acre	Rate lb./acre	Application Instructions
whiteflies	12 – 34.5	The state of the s	Apply a minimum spray solution of 50 gallons per acre by ground.
	1	17 at 100 at 1	For best results of
anda na hiji kata na kata anda na kata na kata ka ana mai na hiji kata na kata n	Carried Decree	6400	<ul> <li>Brown soft scale, apply at dormant timing targeting the overwintering population or at crawlier emergence during the summer,</li> </ul>
191-1-191		er de la companya de	<ul> <li>San Jose scale, apply at dormant, delayed dormant, pre- bloom or in-season at early crawler emergence,</li> </ul>
(Ber)()			<ul> <li>whiteflies, apply at early nymph threshold,</li> <li>other scales, apply at early crawler emergence,</li> </ul>
			<ul> <li>mealybugs, apply when early crawler emergence occurs.</li> </ul>
		A Migray David The	Good spray coverage is essential.
mealybugs scales	34.5 – 46.0	2.156 – 2.875	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy, Use higher volumes for dense canopies.

#### Restrictions:

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 69.0 oz. of this product per acre per year (3.02 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 14 days.

Stone Fruits (Crop Group 12-12) apricot, Japanese apricot, capulin, black cherry, Nanking cherry, sweet cherry, tart cherry, Chinese jujube, nectarines, peach, plum, American plum, beach plum, Canada plum, cherry plum, chickasaw plum, damson plum, Japanese plum, klamath plum, prune plum, plumcot, sloe, cultivars, varieties and/or hybrids of these

Pest la kerry in the same	Rate oz./acre	Rate	Application Instructions
mealybugs scales	34.5	2.156	Apply a minimum spray solution of 50 gallons per acre by ground.
3,500 - 12,200	12711119	we have	For best results of
			<ul> <li>San Jose scale, apply at dormant, delayed dormant, pre- bloom when scale is in the black cap stage or in-season at early crawler</li> </ul>
ave a fee to 2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		emergence,
the state of the	Parametri	Sale were to	other scales, apply at early crawler     americans.
	A 20 =1	S. S. C. Phylogen	emergence,     mealybugs, apply when early crawler emergence occurs.

the most property as to be seen as	Good spray coverage is essential.
The second form of the second fo	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.
	Springly and the second

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 69.0 oz. of this product per acre per year (3.02 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 14 days.

Tree Nuts (Crop Group 14) almonds, beechnuts, Brazil nuts, butternuts, cashews, chestnuts, chinquapins, filberts, hickory nuts, macadamia nuts, pecans, walnuts {black and English) and pistachios.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs scales	34.5 – 46.0	2.156 - 2.875	Apply a minimum spray solution of 100 gallons per acre by ground.
	100		For best results of
			<ul> <li>San Jose scale, apply at dormant, delayed dormant, pre- bloom when scale is in the black cap stage or in-season at early crawler emergence or when scales are of a susceptible early nymphal stage,</li> <li>other scales, apply at early crawler emergence.</li> <li>mealybugs, apply when early crawler emergence occurs.</li> </ul>
	(i = 10x	1000	Good spray coverage is essential.
Tracks	o je se silike.	184 38 °	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.

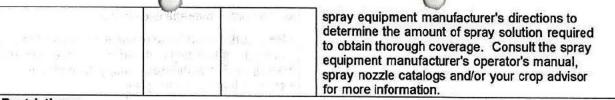
### Restrictions:

Do not apply more than 1 application per year.

Do not use more than 46.0 oz. of this product per acre per year (2.01 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 60 days.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhopper mealybugs planthoppers	9.0	0.56	Apply by ground on 2 acre minimum with spray solution of 20 gallons per acre.
	MAR TANK MAR CA	e i e e eyes - ,	For best results, apply when populations level reaches economic threshold. Consult local and state agricultural authorities for specific details.  Good coverage is essential.
whiteflies	6.0 – 9.0	0.38 - 0.56	Apply in sufficient water to obtain complete coverage of all plant parts. Applications may be made with high volume, low volume or ultra-low volume (thermal and non-thermal foggers, misters, etc.) ground equipment only. Follow the



Do not apply more than 2 applications per growing cycle.

The minimum spray interval is 5 days.

Do not use more than 18.0 oz. of this product per acre per growing cycle (0.79 lb. a.i. per acre per growing cycle).

Pre-Harvest Interval (PHI) is 1 day.

Tropical; acerola, atemoya, avocado, binda, chermoya, custard apple, feijoa, guava, ilama,

jaboticaba, passion fruit, soursop, starfruit, sugar apple and wax jambu.

Pest of special transper	Rate oz./acre	Rate lb./acre	Application Instructions
scales	34.5	2.156	Apply a minimum spray solution of 20 gallons per acre by ground.
	, p. 65	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	For best results of  scale and mealybugs, begin applications at early crawler emergence.
leafhoppers mealybugs whiteflies	9. 0 - 12.0	0.56 - 0.75	

#### Restrictions:

Limited to Florida, Hawaii and Puerto

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 69. oz. of this product per acre per year (3.02 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 21 days.

## Tropical; black sapote, canistel, mamey sapote, mango, papaya, sapodilia, star apple.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhoppers mealybugs scales whiteflies	9.0 - 12.0	0.56 - 0.75	Apply a minimum spray solution of 20 gallons per acre by ground.  For best results of  mealybugs and scales, apply at early crawler emergence for best control.

#### Restrictions:

Limited to Florida, Hawaii and Puerto

Do not apply more than 5 applications per year.

The minimum spray interval is 14 days.

Do not use more than 45 oz. of this product per acre per year (1.97 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 3 days.

Tropical; longan, pulasan, rambutan, Spanish lime.

Pest	Rate	Rate	Application Instructions
han t	oz./acre	lb./acre	

scales	34.5	2.156	Apply a minimum spray solution of 75 gallons per acre by ground.
100 march 100 ma			For best results of  scales, apply at early crawler emergence for best control.
WS 11 10 0X 1		100 pt 10	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 69. oz. of this product per acre per year (3.02 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 21 days.

Ornamental Plants in greenhouses; lath and shadehouses; nurseries; landscape ornamentals; ground covers; field-and container-grown ornamentals; non-bearing fruit and nut trees and vines in

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhoppers mealybugs planthoppers	12	0.75	Apply a minimum spray solution of 50 gallons per acre by ground.
Appendig for the	th unit of a second sec		For best results, apply when populations level reaches economic threshold. Consult local and state agricultural authorities for specific details. Apply in sufficient water to obtain complete, uniform coverage of all plant parts including stems and underside of leaves. Applications may be made with high volume, low volume or ultra-low volume (thermal
	71.74		and non-thermal foggers, misters, etc.) ground equipment only. Follow the spray equipment manufacturer's directions to determine the amount of
	17.1	$\tau_{k}^{\alpha} = \tau^{\alpha} = \tau_{k}$	spray solution required to obtain thorough coverage.  Consult the spray equipment manufacturer's
ate straining of the via		ork the first to	operator's manual, spray nozzle catalogs and/or your crop advisor for more information.
scales			For optimum control of
ty ny finitra isan' a septim	14.0	0.875	whiteflies, leafhoppers or planthopper, apply as soon as adult insects begin to appear.
why the same by same	detaile e	1 100	<ul> <li>scales, apply at early crawler emergence.</li> </ul>
talen distribution (P. Million eta signification de	1. 1. 15	N	<ul> <li>mealybugs, apply as soon as insect activity is observed.</li> </ul>
whiteflies	6.0	0.375	Good spray coverage is essential.

#### Restrictions:

Do not apply more than 2 applications per growing cycle.

Do not use more than 28.0 oz. of this product per acre per growing cycle (1.23 lb. a.i. per acre per growing cycle).

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

PESTICIDE STORAGE: Store in original container in a cool, dry and secure location.
PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed on site or at an approved waste disposal facility.

[Plastic bottle packaging:]

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

[Fiber Drums with Liners:]

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into the handling or application equipment. Then offer for recycling if available, or dispose of liner in a sanitary landfill, or by incineration, or by burning, if allowed by state and local authorities. If burned, stay out of smoke. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

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# WARRANTY DISCLAIMER AND NOTICE

#### IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Aceto Agricultural Chemicals Corporation. To the extent consistent with applicable law all such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, ACETO AGRICULTURAL CHEMICALS CORPORATION MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Aceto Agricultural Chemicals Corporation is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, ACETO AGRICULTURAL CHEMICALS CORPORATION DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT ACETO AGRICULTURAL CHEMICALS CORPORATION'S ELECTION, THE REPLACEMENT OF PRODUCT.

All trademarks are proprietary of their respective owners.

[Made in [Japan][China] [packaged in USA]. [Active ingredient made [and formulated] in [Japan][China], [formulated in USA] [and] [package in USA]].

## **Buprofezin 70WDG IGR**

Insect Growth Regulator for use on Bananas, Coffee, Citrus Fruit, Grapes, Olives, Pears, Asian Pears, Persimmon, Pistachios, Pome Fruit, Pomegranates, Stone Fruit, Tomatoes (greenhouse) Tree Nuts, Tropical Plants, Ornamentals (greenhouse and outdoor) and Christmas Trees.

ACTIVE INGREDIENT: buprofezin.....70.0% OTHER INGREDIENTS: 30.0%

EPA Reg. No. 2749-XXX EPA Est. No. Net Contents:

Manufactured for: Aceto Agricultural Chemicals Corporation 4 Tri Harbor Court Port Washington, NY 11050

See [inside booklet] [back panel] for [First Aid], Precautionary Statements] [and] [Directions for use]

Read "LIMIT OF WARRANTY AND LIABILITY" before buying or using. If terms are not acceptable, return at once unopened. The same to be a superior of the same to be a superior or t

## KEEP OUT OF REACH OF CHILDREN CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

	FIRST AID
If inhaled	<ul> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth to-mouth, if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
If on skin or clothing	<ul> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
If in eyes	<ul> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> </ul>
If swallowed	<ul> <li>Call poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by the poison control center or doctor.</li> </ul>

Emergency Assistance: Have the product container or label with you when calling a poison control center or doctor or going for treatment. FOR EMERGENCY MEDICAL HELP, CALL CHEMTREC TOLL FREE 1-800-424-9300 or 1-703-527-3887.

NOTE TO PHYSICIAN: There is no specific antidote. All treatment should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred.

FOR CHEMICAL SPILL, LEAK, FIRE, EXPOSURE OR MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887.

#### PRECAUTIONARY STATEMENTS Hazards to Humans and Domestic

## CAUTION

Harmful if swallowed. Wash thoroughly with soap and water after handling. Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Harmful if inhaled. Avoid breathing spray mist. Remove contaminated clothing and wash before reuse.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### User Safety Recommendations

Users should: Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

#### ENGINEERING CONTROLS STATEMENT

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

#### **ENVIRONMENTAL HAZARDS**

For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

#### **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that it will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

#### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontainination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not efiter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls over long-sleeved shirt and long pants
- Waterproof gloves
- Socks and chemical-resistant footwear

#### NONAGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, or greenhouses. For other uses, including golf courses and other nonagricultural uses, do not enter treated areas without protective clothing until Sprays have dried. The office of the first of the state o

#### PRODUCT INFORMATION

This product is an insect growth regulator effective against the nymphal stages of whitefly, scales, psylla, mealybugs, planthoppers, and leafhoppers by inhibiting chitin biosynthesis. suppressing oviposition of adults, and reducing viability of eggs. This product is not an adulticide. Evidence of activity may be slower than typical contact insecticides as treated susceptible pests may remain alive on the plant for 3-7 days; however, pests have stopped feeding and any feeding damage during this time is typically very low.

This product is not disruptive to beneficial insects and mites.

This product is a contact insecticide which requires good uniform through coverage of foliage and fruit to be effective. Use by ground or air in sufficient water volume to obtain through coverage specially to stems and underside of foliage. Orient nozzles to assure good coverage. Use of higher volume of water will assure better coverage, especially under adverse conditions such as hot, dry weather, and/or a dense canopy. The entire field should be treated. Apply when economic infestations occur based on local information.

### INSECTS CONTROLLED

whiteflies: ash whitefly, banded winged whitefly, greenhouse whitefly, silverleaf whitefly, sweet potato whitefly

mealybugs: citrus mealybug, comstock mealybug, Gill's mealybug, grape mealybug, longtailed mealybug, Mexican mealybug, obscure mealybug, striped mealybug, vine mealybug

leafhoppers and planthoppers: brown planthopper, cherry leafhopper, Eastern grape leafhopper, glassy-winged sharpshooter, potato leafhopper, variegated leafhopper, Western grape leafhopper, white apple leafhopper

# pear psylla

soft scales: barnacle scale, black scale, brown soft scale, citricola scale, European fruit lecanium scale, false oleander scale, frosted scale, hemispherical scale, Indian wax scale and other wax scales, tessellated scale, white peach scale

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armored scales: boisduval scale, cactus scale, California red scale, coconut scale, fern scale, Florida red scale, oystershell scale, San Jose scale

margarodid scale: cottony cushion scale

#### USE RESTRICTIONS

- This product is not for sale, sale into, distribution, and or use in Nassau and Suffolk counties of New York state.
- Do not apply this product through any type of irrigation system.
- Crop Rotational Restrictions:

CROP	PLANTBACK TIMING		
All crops registered for use with buprofezin	0 days following application		
Cereal grains	30 days following application		
All other crops	60 days following application		

#### USE PRECAUTIONS

- Apply in a minimum finished spray volume of 5 gallons per acre by air. For gallonage per acre by ground, refer to Application Rate Chart.
- Phytotoxicity may occur in Asian Pear varieties, normally limited to applications made prior to petal fall.

RESISTANCE MANAGEMENT: The active ingredient in Buprofezin 70WDG IGR is buprofezin, inhibitor of chitin biosynthesis, Type 1 belonging to the Insecticide Resistance Action Committee (IRAC) Group 16. This product is effective in controlling insect pests and minimizing the development of resistance when used in rotation with other insecticides in an IPM program.

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To reduce selection pressure for resistant pests:

- . Do not use this product or another group 16 insecticide against consecutive insect generations. Consecutive applications can be used, however, within a single / same generation. It is best to use this product in rotation with classes of insecticides and modes of action other than those in IRAC group 16.
- · For management of pests with short life cycles such as whiteflies, do not use this product more than once within each generation cycle.
- Always apply this product at the required rates and according to label directions. Do not use an application rate alone or in tank mixtures that is less than the minimum amount stated on the label.
- Use this product as part of an insect management program that includes cultural and biological control where possible.
- Scout pest populations and begin this product applications before the pest becomes established. Focus treatments on early immature stages for best results. For optimum control, thoroughly wet the undersides of leaves, particularly when applications are made to control pear psylla, whiteflies and thrips.
- For greenhouse use, if another insect growth regulatory with the same mode of action as a chitin biosynthesis inhibitor (i.e. cyromazine, diflubenzuron and novaluron) has been used in the greenhouse within 28 days do not apply this product as the first whitefly application.

Adopt an integrated pest management program for insecticide/acaricide use that includes scouting, uses historical information related to pesticide use crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.

Monitor after application for unexpected target pest survival. If level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor. Contact Your local extension specialist or certified crop advisors for any pesticide resistance-management and/of 1PM recommendations for the specific site and pest problems in your area.

See specific crop Use Directions for maximum single application rate, annual maximum number of applications and amount of active ingredient. .....

#### APPLICATION DIRECTIONS

Applications should be made immediately after the spray solution is 'prepared. Thorough spray coverage is essential for effective control. Applications may be made with high or low volume spray equipment that provides thorough coverage of the plant. Apply with properly calibrated spray equipment. For best results, apply when pest populations are beginning to build, before reaching economic thresholds.

Consult your local agricultural advisor, or state cooperative extension service for guidance.

#### SPRAY DRIFT REDUCTION MANAGEMENT

Do not apply when wind speed favors drift beyond the area intended for treatment. The interaction of many equipment and weather-related factors determine the potential for spray drift. The applicator is responsible for considering all of these factors when making application decisions. Avoiding spray drift is the responsibility of the applicator.



An important factor influencing drift is droplet size. Small droplets (<150 - 200 microns) drift to a greater extent than large droplets. Within typical equipment specifications, applications should be made to deliver the largest droplet spectrum that provides sufficient control and coverage. Use only Medium or coarser spray nozzles (for ground and non-ULV aerial application) according to ASAE (S572) definition for standard nozzles. In conditions of low humidity and high temperatures, applicators should use a coarser droplet size.

#### **Ground Applications:**

Wind speed must be measured adjacent to the application site on the upwind side, immediately prior to application. For ground boom applications, apply using a nozzle height of no more than 4 feet above the ground or crop canopy. For airblast applications, turn off outward pointing nozzles at row ends and when spraying the outer two (2) rows. To minimize spray loss over the top in orchard applications, spray must be directed into the canopy. arust, VVIII. agristion personal additional artists in the office for unstable

## Aerial Applications: 1 - Tor AST Judes on properties and a street of an exercise of an exercise and an exercise of an exercise

The spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used and must not exceed 75% of the wingspan or 80% rotor diameter. Flight speed and nozzle orientation must be considered in determining droplet size. Spray must be released at the lowest height consistent with pest control and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety. When applications are made with a cross-wind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind. Making applications at the lowest height that is safe reduces the exposure of the droplets to evaporation and wind. Wind Speed Restrictions:

Drift potential increases at wind velocities of less than 3 mph (due to inversion potential) or more than 10 mph. However, many factors, including droplet size, canopy and equipment specifications determine drift potential at any given wind speed. Only apply this product if the wind direction favors on-target deposition. Do not apply when wind velocity exceeds 15 mph and avoid gusty and windless conditions. Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area. 

## Restrictions During Temperature Inversions:

Do not make ground applications during temperature inversions. Drift potential is high during temperature inversions. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by stable air and increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by mist or ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source. Smoke that layers and moves laterally near the ground surface in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical mixing.

### Use Rate Equivalency

Since this product contains 70% w/w buprofezin active ingredient (a.i.) per pound of product, the following table expresses the use rate equivalency of oz. of this product in terms of lb. active ingredient on a per acre basis. robation (Protection 5-221 POW) (Protection 5-200)

CONTRACTOR OF THE PROPERTY OF

oz. of product	lb. a.i.
per acre	per acre
6	0.26
7	0.31
9	0.39
12 .	0.53
14	0.61
18	0.79
23	1.01

	24	1.05	1
	27	1.18	east suitall in our maxist
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	69	3.02	
	91	3.98	22 - 22 - 12 - 12 - 12 - 12 - 12 - 12 -
	92	4.03	constant aget A. Peter

naturiano destalle di Sono i la cilo acces piaddes in il pago agracio de Buprofezin 70 WDG IGR is a water dispersible granule designed to be diluted with water at the rates listed in the specific crop use directions. Fill the spray tank with approximately ½ of the desired volume with water or carrier. With the agitation operating, add the specified amount of the formulation as listed in the targeted crop use directions. Complete the filling process while maintaining agitation. Remove the hose from the mixing tank immediately after filling to avoid siphoning back into the carrier source. Add nonionic surfactant and other spray additives as the last ingredients in the tank. Allow time to fully disperse.

Since this product forms a suspension in water, it is important to maintain good agitation during mixing and spraying. If the spray suspension is allowed to settle for a short period of time, be sure to agitate the spray suspension for a minimum 10 minutes. Apply spray solutions within 24 hours after mixing.

# TANK MIXTURES TO THE TOTAL OF THE PROPERTY OF

To improve this product's effectiveness, apply in combination with other pesticide products that are registered for the same crop and application techniques. For current information on the best tank mixture partner in your area, consult with the local dealer, distributor or State Agricultural Extension service.

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

If this product is to be tank mixed with other pesticides, conduct a compatibility test prior to mixing. Use a small container and mix all components in a small amount, usually 0.5 to 1qt. of spray. Combine all products in the same ratio and order of addition as in the proposed spray mixture. Observe the mixture for indication of incompatibility which usual occurs in 10 to 30 minutes after mixing. If incompatibility is observed, try changing the order of addition of the components. The guideline on tank mixture partners is driven by formulation type. Start with water dispersible granules (WDG's), wettable powders (WP's) including water soluble bags (WSB's), suspension concentrated (SC's) or flowable (F's), all with very good agitation. Next follow with water miscible concentrates and emulsifiable concentrates (EC's) before adding drift control additives, nonionic surfactants (NIS's) or crop oil concentrates (COC's). After vigorous agitation, there must be a homogeneous suspension. Let the final tank mixture stand and observe for any rapid settling or floating of components. If any indications of physical incompatibility develop, do not use this mixture for spraying.

SPRAY COVERAGE: All parts of the crop must receive uniform spray coverage or else desired result may not occur. Higher water volumes and increased spray pressure generally provide better coverage. Consult your local agricultural specialist for specific information on the best rates, timings, and spray volumes for your region.

#### Buprofezin 70 WDG IGR Crop/Use Site Index

Crop. Bananas

Coffee

Citrus fruit Group 10

Citrus fruit Group 10 FL/TX

Grapes

Olives

Pears, Asian pears

Persimmon

**Pistachios** 

Pome fruit Group 11-10 (except pears, Asian pears)

**Pomegranates** 

Stone fruit Group 12

Tomato (Greenhouse)

Tree Nut Group 14

Tropical; Acerola, atemoya, avocado, binda, chenmoya, custard apple, feijoa, guava, ilama, jaboticaba, passion fruit, soursop, starfruit, sugar apple and wax jambu

Tropical; black sapote, canistel, mamey sapote, mango, papaya, sapodilia, star apple

Tropical; longan, pulasan, rambutan, Spanish lime

Ornamentals (greenhouse and outdoor)

Christmas trees

The use rate for this product is expressed in terms of the oz. of this product per acre as Rate oz. /acre and Rate lb. /acre.

The pre-harvest interval (PHI) is the required number of days between the last application of this product and the harvesting of the crop.

The application spray volume is expressed as the number of gallons of liquid applied per acre (GPA).

#### Bananas

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhoppers mealybugs	7.0	0.438	Apply a minimum spray solution of 15 gallons per acre by ground.
scales whiteflies			in it had be elique the use to the

#### Restrictions:

Do not apply more than 4 applications per year.

The minimum spray interval is 14 days.

Do not use more than 27 oz. of this product per acre per year (1.18 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 1 day.

Citrus Fruits (Crop Group 10) calamondin; citron; citrus hybrids; grapefruit; kumquat; lemon; lime; Mediterranean mandarin; orange, sour; orange, sweet; pummelo; satsuma mandarin; tachibana orange; tangerine(mandarin); tangelo; trifoliate orange; cultivars. varieties, and/or hybrids of these.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
black scales California red scale citricola scale	34.5 – 46.0	1.5 – 2.0	Apply a minimum spray solution of 750 gallons per acre by ground.
cottony cushion scale glassy-winged	91		For best results of:  • red scale, apply at early crawler emergence,
sharpshooter mealybugs		*y 95.0	<ul> <li>citricola scale, begin applications after complete crawler hatch. Spring applications can provide</li> </ul>

The state of the s

suppression and minimize honeydew accumulation,
<ul> <li>Cottony cushion scale. Apply after July 1<sup>st</sup>.</li> <li>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.</li> </ul>
dovorage of fruit and leaf surfaces.

Do not apply more than 2 applications per year.

The minimum spray interval is 60 days.

Do not use more than 92.0 oz. of this product per acre per year (4.03 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 3 days.

Citrus Fruits (Crop Group 10) (TX & FL Only) calamondin; citron; citrus hybrids; grapefruit; kumquat; lemon; lime; Mediterranean mandarin; orange, sour; orange, sweet; pummelo; satsuma mandarin; tachibana orange; tangerine(mandarin); tangelo; trifoliate orange; cultivars, varieties, and/or hybrids of these.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
soft scales armored scales	34.5 – 46.0	2156 – 2.875	Apply a minimum spray solution of 250 gallons per acre by ground.
		lina i grafi	For best results of
(100 miles traph	o "A" of	2 (p = 0), =20)	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on tree canopy and locations of scale insect within the tree canopy.

### Restrictions:

Limited to Florida and Texas Only

Do not apply more than 2 applications per year.

The minimum spray interval is 60 days.

Do not use more than 92.0 oz. of this product per acre per year (4.03 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 3 days.

### Coffee

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs scales	23.0	1.43	Apply a minimum spray solution of 50 gallons per acre by ground.
Section - Herman	2 4 2 3 1	Supri Fotoin	For best results of:  • mealybugs and scales, apply when populations reach economic threshold.
: 67	relation as	/\.	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.

### Restrictions:

Do not apply more than 4 applications per year.

The minimum spray interval is 14 days.

Do not use more than 91.0 oz. of this product per acre per year (3.98 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 0 day.

Grapes

Pest 1	Rate oz./acre	Rate lb./acre	Application Instructions
European fruit lecanium scale	12.0	0.75 F	Apply a minimum spray solution of 50 gallons per acre by ground. Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy, Use higher volumes for dense canopies.
grander fra 184 1 - Amerika Harris et al 184 1 - Marina de Sylf et amerika f 1 - Amerika de Sylf et amerika f 1 - Amerika de Sylf et amerika f	Carrette La el Al 187 Sa con 1818 Carrette		For best results of         • leafhoppers, apply when majority of the population is at early nymphal stage,         • mealybugs, begin applications at early crawler emergence.
leafhopper mealybugs	9.0 – 12.0	0.56 - 0.75	Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.

### Restrictions:

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 24. oz. of this product per acre per year (1.05 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 7 days.

Grapes (AZ and CA Only)

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs	24.0	1.5	Apply a minimum spray solution of 50 gallons per acre by ground. Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy, Use higher volumes for dense canopies.
			For best results of  mealybugs, begin applications at early crawled emergence.
		ann e e e a	Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.

### Restrictions:

Limited to Arizona and California Only

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 24. oz. of this product per acre per year (1.05 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 30 days.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
scales	34.5 – 46.0	2.156 - 2.875	Apply a minimum spray solution of 110 to 500 gallons per acre by ground.
	The state of the s	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	black scale, apply after complete crawler emergence from the female scale has occurred,     Other scales, apply at early crawler emergence.
Achie	- 100 m	ita ile ingrani amort ile grani ale aprain	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.  Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.

Do not apply more than 2 applications per year.

The minimum spray interval is 50 days.

Do not use more than 92.0 oz. of this product per acre per year (4.03 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 21 days.

Pears (Group 11-10 pear: Asian pear)

Pest William Control	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs pear psylla scales	34.5 – 46.0	2.156 - 2.875	Apply a minimum spray solution of 80 gallons per acre by ground.
	(a) 100 (c) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d		Took with adulticide for entire ways.  For best results of     1st and 2nd instar pear psylla, apply pre- bloom or at petal fall. In-season, apply when smaller pear psylla nymphs are present,
			<ul> <li>Tank mix with adulticide for optimum control.</li> <li>mealybugs or San Jose scale, apply pre- bloom r at first crawler emergence,</li> <li>other scales, apply at early crawler emergence.</li> </ul>
			Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.  Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.
			Phytotoxicity may occur in Asian pear varieties but is normally limited to applications made prior to petal fall.

Do not apply more than 2 applications per year.

The minimum spray interval is 7 days.

Do not use more than 69.0 oz. of this product per acre per year (3.02 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 14days.

### Persimmons

Pest Programme	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs soft scales European	34.50	2.156	Apply a minimum spray solution of 100 gallons per acre by ground.
fruit lecanium scales	1.40	STATE OF STATE OF	For best results of
frosted scale		eyt) = mey mix	<ul> <li>mealybugs, apply at beginning of crawler emergence. This product is most effective on early developmental stage of mealybugs</li> </ul>
	t all seal of a to seal of a to seal of a to seal	q.	<ul> <li>scales, apply a beginning of crawler emergence of the scale generation being targeted.</li> </ul>
200 C	L. C. Section	11/28: 3	Good spray coverage is essential.

### Restrictions:

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 69.0 oz. of this product per acre per year (3.02 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 14 days.

Pome Fruits (Crop Group 11-10 except pears (see separate directions for pears) apple, azarole, crabapple, loquat, mayhaw, medlar, quince, Chinese quince, Japanese quince, tejocote; cultivars,

varieties, and/or hybrids of these. Pest Rate **Application Instructions** oz./acre lb./acre leafhoppers Apply a minimum spray solution of 80 gallons per acre 9.0 - 12.0 0.56 - 0.75by ground. For low-volume sprayers use a minimum of 20 gallons per acre. For best results of San Jose scale, apply at dormant, delayed dormant, pre- bloom or in-season at early crawler emergence, 1, 119 119 119 A BOY COUNTY OF THE TOP OF other scales, apply at early crawler applies and the same of pagister Miles sunt to gloride, it sights not emergence, mealybugs, apply at dormant, delayed dormant The state of the state of to petal fall when nymphs are present. Apply inseason at early crawler emergence. Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy. mealybugs Use a sufficient volume of water to ensure thorough scales 2.156 coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy. Use higher volumes for dense canopies. Restrictions:

Do not apply more than 1 application per year.

Do not use more than 34.5 oz. of this product per acre per year (1.51 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 14 days.

**Pomegranates** 

Pest and a	Rate oz./acre	Rate lb./acre	Application Instructions
whiteflies	12 – 34.5	0.75 - 2.156	Apply a minimum spray solution of 50 gallons per acre by ground.
	59.0*	Dest Section	For best results of
of perfect their	Althority de	2012 K	<ul> <li>Brown soft scale, apply at dormant timing targeting the overwintering population or at crawlier emergence during the summer,</li> </ul>
* 16.	2 years 1	10	<ul> <li>San Jose scale, apply at dormant, delayed dormant, pre- bloom or in-season at early crawler emergence,</li> </ul>
	Table 5	1 1,21	<ul> <li>whiteflies, apply at early nymph threshold,</li> <li>other scales, apply at early crawler emergence,</li> <li>mealybugs, apply when early crawler emergence occurs.</li> </ul>
			Good spray coverage is essential.
mealybugs scales	34.5 – 46.0	2.156 - 2.875	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy, Use higher volumes for dense canopies.

### Restrictions:

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 69.0 oz. of this product per acre per year (3.02 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 14 days.

Stone Fruits (Crop Group 12-12) apricot, Japanese apricot, capulin, black cherry, Nanking cherry, sweet cherry, tart cherry, Chinese jujube, nectarines, peach, plum, American plum, beach plum, Canada plum, cherry plum, chickasaw plum, damson plum, Japanese plum, klamath plum, prune plum, plumcot, sloe, cultivars, varieties and/or hybrids of these.

Pest's supplied to their	Rate oz./acre	Rate Ib./acre	Application Instructions
mealybugs scales	34.5	2.156	Apply a minimum spray solution of 50 gallons per acre by ground.
Entrant Land 197	7 PARTY 128	A. 115-115	For best results of
ng apor	4 A	en e sue Sien. En enés	<ul> <li>San Jose scale, apply at dormant, delayed dormant, pre- bloom when scale is in the black cap stage or in-season at early crawle</li> </ul>
4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	4 4	W	emergence,
and many City	We to Ve		<ul> <li>other scales, apply at early crawler emergence,</li> </ul>
	1		<ul> <li>mealybugs, apply when early crawler emergence occurs.</li> </ul>

and a street of the party of

All and the second state	on the first	spirit year	Good spray coverage is essential.
Pauling Track and Market State of the Control of th	g is the second of money of the second and the second	n samp of a m. Player manual	Use a sufficient volume of water to ensure thoroug coverage of fruit and leaf surfaces. Adjust volume
nk (±15)	10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		based on size of the tree canopy, Use higher volumes for dense canopies.

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 69.0 oz. of this product per acre per year (3.02 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 14 days.

Tree Nuts (Crop Group 14) almonds, beechnuts, Brazil nuts, butternuts, cashews, chestnuts, chinquapins, filberts, hickory nuts, macadamia nuts, pecans, walnuts {black and

English) and pistachios.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs scales	34.5 – 46.0	2.156 – 2.875	Apply a minimum spray solution of 100 gallons per acre by ground.
38 10 18 30	A TOTAL AND A STATE OF	4.77	For best results of
			<ul> <li>San Jose scale, apply at dormant, delayed dormant, pre- bloom when scale is in the black cap stage or in-season at early crawler emergence or when scales are of a susceptible early nymphal stage,</li> <li>other scales, apply at early crawler emergence.</li> <li>mealybugs, apply when early crawler emergence occurs.</li> </ul>
	The Figure 1 and 1 and 1	1. (4. )	Good spray coverage is essential.
	in to linking	5 75 1 1 10 10	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.

### Restrictions:

Do not apply more than 1 application per year.

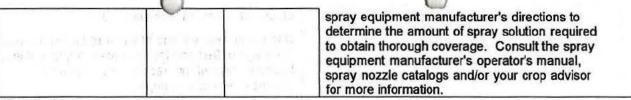
Do not use more than 46.0 oz. of this product per acre per year (2.01 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 60 days.

Tomatoes (Greenhouse)

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhopper mealybugs planthoppers	9.0	0.56	Apply by ground on 2 acre minimum with spray solution of 20 gallons per acre.
( Je a)	/h r 2	Samon sistem	For best results, apply when populations level reaches economic threshold. Consult local and state agricultural authorities for specific details.  Good coverage is essential.
whiteflies	6.0 – 9.0	0.38 - 0.56	Apply in sufficient water to obtain complete coverage of all plant parts. Applications may be made with high volume, low volume or ultra-low volume (thermal and non-thermal foggers, misters, etc.) ground equipment only. Follow the

11. SA.F



Do not apply more than 2 applications per growing cycle.

The minimum spray interval is 5 days.

Do not use more than 18.0 oz. of this product per acre per growing cycle (0.79 lb. a.i. per acre per growing cycle).

Pre-Harvest Interval (PHI) is 1 day.

Tropical; acerola, atemoya, avocado, binda, chermoya, custard apple, feijoa, guava, ilama,

jaboticaba, passion fruit, soursop, starfruit, sugar apple and wax jambu.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
scales	34.5	2.156	Apply a minimum spray solution of 20 gallons per acre by ground.
ers and the research	E 12 48 1911		For best results of
leafhoppers mealybugs whiteflies	9. 0 - 12.0	0.56 - 0.75	

### Restrictions:

Limited to Florida, Hawaii and Puerto

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 69. oz. of this product per acre per year (3.02 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 21 days.

Tropical; black sapote, canistel, mamey sapote, mango, papaya, sapodilia, star apple.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhoppers mealybugs scales whiteflies	9.0 - 12.0	0.56 - 0.75	Apply a minimum spray solution of 20 gallons per acre by ground.  For best results of
Prost, one of	oods dach		<ul> <li>mealybugs and scales, apply at early crawler emergence for best control.</li> </ul>

### Restrictions:

Limited to Florida, Hawaii and Puerto

Do not apply more than 5 applications per year.

The minimum spray interval is 14 days.

Do not use more than 45 oz. of this product per acre per year (1.97 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 3 days.

Tropical; longan, pulasan, rambutan, Spanish lime.

Pest	Rate	Rate	Application Instructions
with 1 th 16 h	oz./acre	lb./acre	

scales	34.5	2.156	Apply a minimum spray solution of 75 gallons per acre by ground.
		0,0200 f 0,0200 f 1,0200 f	For best results of  scales, apply at early crawler emergence for best control.
			Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 69. oz. of this product per acre per year (3.02 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 21 days.

Ornamental Plants in greenhouses; lath and shadehouses; nurseries; landscape ornamentals; ground covers; field-and container-grown ornamentals; non-bearing fruit and nut trees and vines in

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhoppers	Militar Et 34.	0.000	Apply a minimum spray solution of 50 gallons per
mealybugs ( )	11 12 X	0.75	acre by ground.
planthoppers	175 57 30	All the resources	. He should be the state of the
e i en al al	4 10 130 125 - 1 V	e supplied the	For best results, apply when populations level reaches economic threshold. Consult local and state
		101-111	agricultural authorities for specific details.
		12	Apply in sufficient water to obtain complete, uniform coverage of all plant parts including stems and underside of leaves. Applications may be made with high volume, low volume or ultra-low volume (thermal
	1,475	A THE STREET	and non-thermal foggers, misters, etc.) ground equipment only. Follow the spray equipment manufacturer's directions to determine the amount of
	Jan 1	180711-02	spray solution required to obtain thorough coverage.  Consult the spray equipment manufacturer's
Tation Individual	Strain (\$2)	NAME OF STREET	operator's manual, spray nozzle catalogs and/or your crop advisor for more information.
scales			For optimum control of
er et der mark des	14.0	0.875	<ul> <li>whiteflies, leafhoppers or planthopper, apply as soon as adult insects begin to appear.</li> </ul>
and the second second second	MAGNET WITH	Navi Line	scales, apply at early crawler emergence.
man and the state of	the same of the same	2-1-1-2-1-1	mealybugs, apply as soon as insect activity
poder to recommend	the editors of	The good	is observed.
whiteflies	a straine		Good spray coverage is essential.
THE WAS THE TOTAL TOTAL TO	6:0	0.375	Cood oping overage is essential.

### Restrictions:

Do not apply more than 2 applications per growing cycle.

Do not use more than 28.0 oz. of this product per acre per growing cycle (1.23 lb. a.i. per acre per growing cycle).

多。是个不是有不明的人,我也是一个担任,他们,这些是一个人的人的人,我们就是一种的人的人,也是一个的人的人。

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### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

PESTICIDE STORAGE: Store in original container in a cool, dry and secure location.
PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed on site or at an approved waste disposal facility.

[Plastic bottle packaging:]

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

[Fiber Drums with Liners:]

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into the handling or application equipment. Then offer for recycling if available, or dispose of liner in a sanitary landfill, or by incineration, or by burning, if allowed by state and local authorities. If burned, stay out of smoke. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

Batch	Code:	near it its with	Waynerfie of p

### WARRANTY DISCLAIMER AND NOTICE

### IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once. for the party of the second

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Aceto Agricultural Chemicals Corporation. To the extent consistent with applicable law all such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, ACETO AGRICULTURAL CHEMICALS CORPORATION MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Aceto Agricultural Chemicals Corporation is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, ACETO AGRICULTURAL CHEMICALS CORPORATION DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT ACETO AGRICULTURAL CHEMICALS CORPORATION'S ELECTION, THE REPLACEMENT OF PRODUCT.

All trademarks are proprietary of their respective owners.

[Made in [Japan][China] [packaged in USA]. [Active ingredient made [and formulated] in [Japan][China], [formulated in USA] [and] [package in USA]].

### Buprofezin 70WDG IGR

Insect Growth Regulator for use on Bananas, Coffee, Citrus Fruit, Grapes, Olives, Pears, Asian Pears, Persimmon, Pistachios, Pome Fruit, Pomegranates, Stone Fruit, Tomatoes (greenhouse) Tree Nuts, Tropical Plants, Ornamentals (greenhouse and outdoor) and Christmas Trees.

	7	ODI VVI
ACTIVE INGREDIENT: buprofezin	0.55	70.0%
OTHER INGREDIENTS:		30.0%
high Production of the St	Total	100.0%

EPA Reg. No. 2749-XXX EPA Est. No.

Net Contents:

Manufactured for: Aceto Agricultural Chemicals Corporation 4 Tri Harbor Court was any see an even was given a consequence of the description of the Port Washington, NY 11050

See [inside booklet] [back panel] for [First Aid], Precautionary Statements] [and] [Directions for use]

Read "LIMIT OF WARRANTY AND LIABILITY" before buying or using. If terms are not acceptable, return at once unopened.

### KEEP OUT OF REACH OF CHILDREN CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

	FIRST AID
If inhaled	<ul> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth to-mouth, if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
lf on skin or clothing	<ul> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
If in eyes	<ul> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> </ul>
If swallowed	Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor.

Emergency Assistance: Have the product container or label with you when calling a poison control. center or doctor or going for treatment. FOR EMERGENCY MEDICAL HELP, CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887.

NOTE TO PHYSICIAN: There is no specific antidote. All treatment should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred.

FOR CHEMICAL SPILL, LEAK, FIRE, EXPOSURE OR MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887.

### PRECAUTIONARY STATEMENTS Hazards to Humans and Domestic

TMT- Way

### CAUTION

Harmful if swallowed. Wash thoroughly with soap and water after handling. Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Harmful if inhaled. Avoid breathing spray mist. Remove contaminated clothing and wash before reuse.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

### User Safety Recommendations

Users should: Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

### ENGINEERING CONTROLS STATEMENT

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS. REAL OF THE PROPERTY OF THE PARTY.

### **ENVIRONMENTAL HAZARDS**

For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

De not apply this product in a way that it will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls over long-sleeved shirt and long pants
- Waterproof gloves
- Socks and chemical-resistant footwear

### NONAGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, or greenhouses. For other uses, including golf courses and other nonagricultural uses, do not enter treated areas without protective clothing until sprays have dried.

#### PRODUCT INFORMATION

This product is an insect growth regulator effective against the nymphal stages of whitefly, scales, psylla, mealybugs, planthoppers, and leafhoppers by inhibiting chitin biosynthesis, suppressing oviposition of adults, and reducing viability of eggs. This product is not an adulticide. Evidence of activity may be slower than typical contact insecticides as treated susceptible pests may remain alive on the plant for 3-7 days; however, pests have stopped feeding and any feeding damage during this time is typically very low.

This product is not disruptive to beneficial insects and mites.

This product is a contact insecticide which requires good uniform through coverage of foliage and fruit to be effective. Use by ground or air in sufficient water volume to obtain through coverage specially to stems and underside of foliage. Orient nozzles to assure good coverage. Use of higher volume of water will assure better coverage, especially under adverse conditions such as hot, dry weather, and/or a dense canopy. The entire field should be treated. Apply when economic infestations occur based on local information.

### INSECTS CONTROLLED

whiteflies: ash whitefly, banded winged whitefly, greenhouse whitefly, silverleaf whitefly, sweet potato whitefly

mealybugs: citrus mealybug, comstock mealybug, Gill's mealybug, grape mealybug, longtailed mealybug, Mexican mealybug, obscure mealybug, striped mealybug, vine mealybug

leafhoppers and planthoppers: brown planthopper, cherry leafhopper, Eastern grape leafhopper, glassy-winged sharpshooter, potato leafhopper, variegated leafhopper, Western grape leafhopper, white apple leafhopper

### pear psylla

### scales:

soft scales: barnacle scale, black scale, brown soft scale, citricola scale, European fruit lecaniunt .\*\* scale, false oleander scale, frosted scale, hemispherical scale, Indian wax scale and other wax\* scales, tessellated scale, white peach scale

armored scales: boisduval scale, cactus scale, California red scale, coconut scale, fern scale, Florida red scale, oystershell scale, San Jose scale

margarodid scale: cottony cushion scale

### USE RESTRICTIONS

- This product is not for sale, sale into, distribution, and or use in Nassau and Suffolk counties of New York state.
- Do not apply this product through any type of irrigation system.
- Crop Rotational Restrictions:

CROP	PLANTBACK TIMING	
All crops registered for use with buprofezin	0 days following application	
Cereal grains	30 days following application	
All other crops of the state of	60 days following application	

### **USE PRECAUTIONS**

40 Fary's 1970A; astronomy for magazing a material accompany for Apply in a minimum finished spray volume of 5 gallons per acre by air. For gallonage per acre by ground, refer to Application Rate Chart.

Phytotoxicity may occur in Asian Pear varieties, normally limited to applications

made prior to petal fall.

RESISTANCE MANAGEMENT: The active ingredient in Buprofezin 70WDG IGR is buprofezin, inhibitor of chitin biosynthesis, Type 1 belonging to the Insecticide Resistance Action Committee (IRAC) Group 16. This product is effective in controlling insect pests and minimizing the development of resistance when used in rotation with other insecticides in an IPM program.

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To reduce selection pressure for resistant pests: The walk of the statement with the statement of the statem

- Do not use this product or another group 16 insecticide against consecutive insect generations. Consecutive applications can be used, however, within a single / same generation. It is best to use this product in rotation with classes of insecticides and modes of action other than those in IRAC group 16.
- For management of pests with short life cycles such as whiteflies, do not use this product more than once within each generation cycle.
- Always apply this product at the required rates and according to label directions. Do not use an application rate alone or in tank mixtures that is less than the minimum amount stated on the label.
- Use this product as part of an insect management program that includes cultural and biological control where possible.
- Scout pest populations and begin this product applications before the pest becomes established. Focus treatments on early immature stages for best results. For optimum control, thoroughly wet the undersides of leaves, particularly when applications are made to control pear psylla, whiteflies and thrips.
- For greenhouse use, if another insect growth regulatory with the same mode of action as a chitin biosynthesis inhibitor (i.e. cyromazine, diflubenzuron and novaluron) has been used in the greenhouse within 28 days do not apply this product as the first whitefly application.

Adopt an integrated pest management program for insecticide/acaricide use that includes scouting, uses historical information related to pesticide use crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.

Monitor after application for unexpected target pest survival. If level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.

Contact your local extension specialist or certified crop advisors for any pesticide resistance-management and/of 1PM recommendations for the specific site and pest problems in your area.

See specific crop Use Directions for maximum single application rate, annual maximum number of applications and amount of active ingredient.

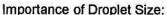
### APPLICATION DIRECTIONS

Applications should be made immediately after the spray solution is 'prepared. Thorough spray coverage is essential for effective control. Applications may be made with high or low volume spray equipment that provides thorough coverage of the plant. Apply with properly calibrated spray equipment. For best results, apply when pest populations are beginning to build, before reaching economic thresholds.

Consult your local agricultural advisor, or state cooperative extension service for guidance.

### SPRAY DRIFT REDUCTION MANAGEMENT

Do not apply when wind speed favors drift beyond the area intended for treatment. The interaction of many equipment and weather-related factors determine the potential for spray drift. The applicator is responsible for considering all of these factors when making application decisions. Avoiding spray drift is the responsibility of the applicator.



An important factor influencing drift is droplet size. Small droplets (<150 - 200 microns) drift to a greater extent than large droplets. Within typical equipment specifications, applications should be made to deliver the largest droplet spectrum that provides sufficient control and coverage. Use only Medium or coarser spray nozzles (for ground and non-ULV aerial application) according to ASAE (S572) definition for standard nozzles. In conditions of low humidity and high temperatures, applicators should use a coarser droplet size.

### Ground Applications:

Wind speed must be measured adjacent to the application site on the upwind side, immediately prior to application. For ground boom applications, apply using a nozzle height of no more than 4 feet above the ground or crop canopy. For airblast applications, turn off outward pointing nozzles at row ends and when spraying the outer two (2) rows. To minimize spray loss over the top in orchard applications, spray must be directed into the canopy.

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### Aerial Applications:

The spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used and must not exceed 75% of the wingspan or 80% rotor diameter. Flight speed and nozzle orientation must be considered in determining droplet size. Spray must be released at the lowest height consistent with pest control and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety. When applications are made with a cross-wind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind. Making applications at the lowest height that is safe reduces the exposure of the droplets to evaporation and wind.

### Wind Speed Restrictions:

Drift potential increases at wind velocities of less than 3 mph (due to inversion potential) or more than 10 mph. However, many factors, including droplet size, canopy and equipment specifications determine drift potential at any given wind speed. Only apply this product if the wind direction favors on-target deposition. Do not apply when wind velocity exceeds 15 mph and avoid gusty and windless conditions. Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.

### Restrictions During Temperature Inversions:

Do not make ground applications during temperature inversions. Drift potential is high during temperature inversions. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by stable air and increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by mist or ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source. Smoke that layers and moves laterally pear the ground surface in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical mixing.

### Use Rate Equivalency

Since this product contains 70% w/w buprofezin active ingredient (a.i.) per pound of product, the following table expresses the use rate equivalency of oz. of this product in terms of lb. active ingredient on a per acre basis. IS THE WILL SELECT OF THE PROPERTY OF THE PROP

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oz. of product	lb. a.i.
per acre	per acre
6	0.26
7	0.31
9	0.39
12	0.53
14	0.61
18	0.79
23	1.01

the county districts in the delication of the first first

	24	1.05	]
	27	1.18	exe, it yes to the total
assemble of the second	28	1.23	are the result from the first
n south a - mi-min of the c	34.5	785/1.51	allesi see, see see
MATERIAL AND A COLUMN	45	1.97	THE RESIDENCE OF THE PARTY OF T
sale sister monthly OV	21 1 2 46 granten 1 10 1 .	2.01	sing a second of the second
wished him a mark a second	60 2011	2.63	of an in-Milescope " Proper
	69	3.02	
	91	3.98	1
	92	4.03	arrow de lagual toma. L
MIXING INSTRUCTIONS	nig ne gert, out per gog it wijet. Tip ook to begjeelsetsee tig pro	liga intraevis en la	ija puoti järastuugi bita Toi liituuti – ilisattu

Buprofezin 70 WDG IGR is a water dispersible granule designed to be diluted with water at the rates listed in the specific crop use directions. Fill the spray tank with approximately ½ of the desired volume with water or carrier. With the agitation operating, add the specified amount of the formulation as listed in the targeted crop use directions. Complete the filling process while maintaining agitation. Remove the hose from the mixing tank immediately after filling to avoid siphoning back into the carrier source. Add nonionic surfactant and other spray additives as the last ingredients in the tank. Allow time to fully disperse.

Since this product forms a suspension in water, it is important to maintain good agitation during mixing and spraying. If the spray suspension is allowed to settle for a short period of time, be sure to agitate the spray suspension for a minimum 10 minutes. Apply spray solutions within 24 hours after mixing.

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### TANK MIXTURES

To improve this product's effectiveness, apply in combination with other pesticide products that are registered for the same crop and application techniques. For current information on the best tank mixture partner in your area, consult with the local dealer, distributor or State Agricultural Extension service.

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

If this product is to be tank mixed with other pesticides, conduct a compatibility test prior to mixing. Use a small container and mix all components in a small amount, usually 0.5 to 1qt. of spray. Combine all products in the same ratio and order of addition as in the proposed spray mixture. Observe the mixture for indication of incompatibility which usual occurs in 10 to 30 minutes after mixing. If incompatibility is observed, try changing the order of addition of the components. The guideline on tank mixture partners is driven by formulation type. Start with water dispersible granules (WDG's), wettable powders (WP's) including water soluble pags (WSB's), suspension concentrated (SC's) or flowable (F's), all with very good agitation. Next follow with water miscible concentrates and emulsifiable concentrates (EC's) before adding drift control additives, ponionic surfactants (NIS's) or crop oil concentrates (COC's). After vigorous agitation, there must be a florringeneous suspension. Let the final tank mixture stand and observe for any rapid settling or floating of components. If any indications of physical incompatibility develop, do not use this mixture for spraying.

SPRAY COVERAGE: All parts of the crop must receive uniform spray coverage or else desired result may not occur. Higher water volumes and increased spray pressure generally provide better coverage. Consult your local agricultural specialist for specific information on the best rates, timings, and spray volumes for your region. TO Provide the Manager Manager Committee

### Buprofezin 70 WDG IGR Crop/Use Site Index

Crop

Bananas

Coffee

Citrus fruit Group 10

Citrus fruit Group 10 FL/TX

Grapes

Olives

Pears, Asian pears

Persimmon

**Pistachios** 

Pome fruit Group 11-10 (except pears, Asian pears)

**Pomegranates** 

Stone fruit Group 12

Tomato (Greenhouse)

Tree Nut Group 14

Tropical; Acerola, atemoya, avocado, binda, chenmoya, custard apple, feijoa, guava, ilama, jaboticaba, passion fruit, soursop, starfruit, sugar apple and wax jambu

Tropical; black sapote, canistel, mamey sapote, mango. papaya, sapodilia, star apple and result of the same and the same and the same and the same at the sam

Tropical; longan, pulasan, rambutan, Spanish lime

Ornamentals (greenhouse and outdoor)

Christmas trees

The use rate for this product is expressed in terms of the oz. of this product per acre as Rate oz. /acre and Rate lb. /acre. advac v A A

The pre-harvest interval (PHI) is the required number of days between the last application of this product and the harvesting of the crop.

The application spray volume is expressed as the number of gallons of liquid applied per acre (GPA).

### Bananas

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhoppers mealybugs scales	7.0	0.438	Apply a minimum spray solution of 15 gallons per acre by ground.
whiteflies			

### Restrictions:

Do not apply more than 4 applications per year.

The minimum spray interval is 14 days.

Do not use more than 27 oz. of this product per acre per year (1.18 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 1 day.

Citrus Fruits (Crop Group 10) calamondin; citron; citrus hybrids; grapefruit; kumquat; lemon; lime; Mediterranean mandarin; orange, sour; orange, sweet; pummelo; satsuma mandarin; tachibana orange; tangerine(mandarin); tangelo; trifoliate orange; cultivars, varieties, and/or hybrids of these.

Pest	Rate oz./acre	Rate Ib./acre	Application Instructions
black scales California red scale citricola scale cottony cushion scale glassy-winged sharpshooter mealybugs	34.5 – 46.0	1.5 – 2.0	Apply a minimum spray solution of 750 gallons per acre by ground.  For best results of:  red scale, apply at early crawler emergence, citricola scale, begin applications after complete crawler hatch. Spring applications can provide

	suppression and minimize honeydew accumulation,  Cottony cushion scale. Apply after July 1st.
	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.

Do not apply more than 2 applications per year.

The minimum spray interval is 60 days.

Do not use more than 92.0 oz. of this product per acre per year (4.03 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 3 days.

Citrus Fruits (Crop Group 10) (TX & FL Only) calamondin; citron; citrus hybrids; grapefruit; kumquat; lemon; lime; Mediterranean mandarin; orange, sour; orange, sweet; pummelo; satsuma mandarin; tachibana orange; tangerine(mandarin); tangelo; trifoliate orange; cultivars, varieties, and/or hybrids of these.

Rate oz./acre	Rate lb./acre	Application Instructions
34.5 – 46.0	2156 – 2.875	Apply a minimum spray solution of 250 gallons per acre by ground.
wee I to the	r sar, pali sa j	For best results of  scale begin applications after start of crawler hatch and emergence.
Paris a in 1	e called the	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on tree canopy and locations of scale insect within the tree canopy.
	oz./acre	oz./acre lb./acre

### Restrictions:

Limited to Florida and Texas Only

Do not apply more than 2 applications per year.

The minimum spray interval is 60 days.

Do not use more than 92.0 oz. of this product per acre per year (4.03 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 3 days.

### Coffee

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs scales	23.0	1.43	Apply a minimum spray solution of 50 gallons per acre by ground.
Ashery "and The lives, so		Contract Tolk	For best results of:  • mealybugs and scales, apply when populations reach economic threshold.
1.000 1.000	arot, Mu	A SERVICE	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.

### Restrictions:

Do not apply more than 4 applications per year.

The minimum spray interval is 14 days.

Do not use more than 91.0 oz. of this product per acre per year (3.98 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 0 day.

Grapes

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
European fruit lecanium scale	12.0	0.75	Apply a minimum spray solution of 50 gallons per acre by ground. Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy, Use higher volumes for dense canopies.
			For best results of
leafhopper mealybugs	9.0 – 12.0	0.56 - 0.75	Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.

### Restrictions:

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 24. oz. of this product per acre per year (1.05 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 7 days.

Grapes (AZ and CA Only)

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs	24.0	1.5	Apply a minimum spray solution of 50 gallons per acre by ground. Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy, Use higher volumes for dense canopies.
			For best results of
			Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.

### Restrictions:

Limited to Arizona and California Only

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 24. oz. of this product per acre per year (1.05 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 30 days.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
scales	34.5 – 46.0	2.156 - 2.875	Apply a minimum spray solution of 110 to 500 gallons per acre by ground.
	BBR rot.	e dissina	
WELL OF STORY AND	A STATE OF THE PARTY	7 5 5 To 10 10 10 10 10 10 10 10 10 10 10 10 10	For best results of
21 3 16	with the Bridge	tracing of	<ul> <li>black scale, apply after complete crawler</li> </ul>
	portal in tellular	market of the	emergence from the female scale has
		23/20 Sel 10 8	occurred,
		Comment of	<ul> <li>Other scales, apply at early crawler emergence.</li> </ul>
	the large in a		Use a sufficient volume of water to ensure thorough
with the same that		mylitisk traktorott	coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.
	Water Land		Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.

Do not apply more than 2 applications per year.

The minimum spray interval is 50 days.

Do not use more than 92.0 oz. of this product per acre per year (4.03 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 21 days.

Pears (Group 11-10 pear; Asian pear)

Pest	n Hazeria	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs pear psylla scales	2 th	34.5 – 46.0	2.156 - 2.875	Apply a minimum spray solution of 80 gallons per acre by ground.
15112 AT		60 M	12 10 3 11	For best results of
	10.00	Hazek bip	es premior	<ul> <li>1<sup>st</sup> and 2<sup>nd</sup> instar pear psylla, apply pre- bloom or at petal fall. In-season, apply when smaller pear psylla nymphs are present,</li> </ul>
			ar sole of	<ul> <li>Tank mix with adulticide for optimum control,</li> </ul>
in in Maddi	4 - 10	de as of the		mealybugs or San Jose scale, apply pre- bloom r at first crawler emergence,
			6 - pro Large	<ul> <li>other scales, apply at early crawler emergence.</li> </ul>
	0.00	uist soold		Use a sufficient volume of water to ensure thorough
** ***		y z or	20 12 20 12 15 15 15 15 15 15 15 15 15 15 15 15 15	coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.
W.	7F - 1 To 5 0	ng si jir	lő, e e esca	Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.
				ragh Stou distinguishment in T
#				Phytotoxicity may occur in Asian pear varieties but is normally limited to applications made prior to petal fall.

Do not apply more than 2 applications per year.

The minimum spray interval is 7 days.

Do not use more than 69.0 oz. of this product per acre per year (3.02 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 14days.

### Persimmons

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs soft scales European	34.50	2.156	Apply a minimum spray solution of 100 gallons per acre by ground.
fruit lecanium scales	1.0	1.300-11-5	For best results of
frosted scale	is with the		<ul> <li>mealybugs, apply at beginning of crawler</li> </ul>
a may a series of the	THE BUILDING		emergence. This product is most effective
11 11 13 13 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15	10.00	*	on early developmental stage of mealybugs
the training to the	y all	L F	
2110201	er of the		<ul> <li>scales, apply a beginning of crawler</li> </ul>
1	La Taire		emergence of the scale generation being
er Triffing a kill i	A STATE		targeted.
	100 m 12/11 m		Good spray coverage is essential.

#### Restrictions:

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 69.0 oz. of this product per acre per year (3.02 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 14 days.

Pome Fruits (Crop Group 11-10 except pears (see separate directions for pears) apple, azarole, crabapple, loquat, mayhaw, medlar, quince, Chinese quince, Japanese quince, tejocote; cultivars,

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhoppers	9. 0 - 12.0	0.56 - 0.75	Apply a minimum spray solution of 80 gallons per acre by ground. For low-volume sprayers use a minimum of 20 gallons per acre.
			For best results of
	i pinings.		San Jose scale, apply at dormant, delayed dormant, pre- bloom or in-season at early crawler emergence,
15, 769,7 35% 15	Harry WALL	15 5, 19 13	other scales, apply at early crawler
CLEATER LAUN	17.4 105 12	181 181	emergence,
81.71 1777			mealybugs, apply at dormant, delayed dormant to petal fall when nymphs are present. Apply in-
E 1 10 1 W 89			season at early crawler emergence.  Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray
opakati ja en e	7 - 44 <sub>0</sub>	suma el el co lección	will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.
mealybugs scales	34.5	2.156	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy, Use higher
	1 - 12 1 - 12 - 12 - 13 - 14	H150	volumes for dense canopies.

Do not apply more than 1 application per year.

Do not use more than 34.5 oz. of this product per acre per year (1.51 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 14 days.

Pomegranates

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
whiteflies	12 – 34.5	0.75 – 2.156	Apply a minimum spray solution of 50 gallons per acre by ground.
The state of the s			Brown soft scale, apply at dormant timing targeting the overwintering population or a crawlier emergence during the summer,     San Jose scale, apply at dormant, delayed dormant, pre- bloom or in-season at early crawler emergence,     whiteflies, apply at early nymph threshold other scales, apply at early crawler emergence,     mealybugs, apply when early crawler emergence occurs.
mealybugs scales	34.5 – 46.0	2.156 – 2.875	Good spray coverage is essential.  Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy, Use higher volumes for dense canopies.

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 69.0 oz. of this product per acre per year (3.02 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 14 days.

Stone Fruits (Crop Group 12-12) apricot, Japanese apricot, capulin, black cherry, Nanking cherry, sweet cherry, tart cherry, Chinese jujube, nectarines, peach, plum, American plum, beach plum, Canada plum, cherry plum, chickasaw plum, damson plum, Japanese plum,

Pest in state in	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs scales	34.5	2.156	Apply a minimum spray solution of 50 gallons per acre by ground.
ny of the table of take	and the Vallage and the State of the Vallage of the		San Jose scale, apply at dormant, delayed dormant, pre- bloom when scale is in the black cap stage or in-season at early crawler emergence,     other scales, apply at early crawler emergence,     mealybugs, apply when early crawler emergence occurs.

Hamely Strate on the Strategy	Good spray coverage is essential.
	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 69.0 oz. of this product per acre per year (3.02 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 14 days.

Tree Nuts (Crop Group 14) almonds, beechnuts, Brazil nuts, butternuts, cashews, chestnuts, chinquapins, filberts, hickory nuts, macadamia nuts, pecans, walnuts {black and English) and pistachios

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs scales	34.5 – 46.0	2.156 – 2.875	Apply a minimum spray solution of 100 gallons per acre by ground.
	Park of	251	For best results of
		4 *8 %/ Luc o	San Jose scale, apply at dormant, delayed dormant, pre- bloom when scale is in the black cap stage or in-season at early crawler emergence or when scales are of a susceptible early nymphal stage,     other scales, apply at early crawler emergence.     mealybugs, apply when early crawler emergence occurs.  Good spray coverage is essential.
		in the stand	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.

### Restrictions:

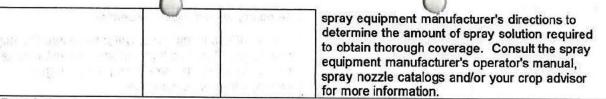
Do not apply more than 1 application per year.

Do not use more than 46.0 oz. of this product per acre per year (2.01 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 60 days.

Tomatoes (Greenhouse)

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhopper mealybugs planthoppers	9.0	0.56	Apply by ground on 2 acre minimum with spray solution of 20 gallons per acre.
			For best results, apply when populations level reaches economic threshold. Consult local and state agricultural authorities for specific details.  Good coverage is essential.
whiteflies	6.0 – 9.0	0.38 - 0.56	Apply in sufficient water to obtain complete coverage of all plant parts. Applications may be made with high volume, low volume or ultra-low volume (thermal and non-thermal foggers, misters, etc.) ground equipment only. Follow the



Do not apply more than 2 applications per growing cycle.

The minimum spray interval is 5 days.

Do not use more than 18.0 oz. of this product per acre per growing cycle (0.79 lb. a.i. per acre per growing cycle).

Pre-Harvest Interval (PHI) is 1 day.

Tropical; acerola, atemoya, avocado, binda, chermoya, custard apple, feijoa, guava, ilama,

jaboticaba, passion fruit, soursop, starfruit, sugar apple and wax jambu

Pest <sub>a</sub> , it apprimes	Rate oz./acre	Rate Ib./acre	Application Instructions
scales	34.5	2.156	Apply a minimum spray solution of 20 gallons per acre by ground.
ist order C. Romitt	- Visite	elio) Jajoš eliku	For best results of
	la Esc	State of 1 - p	<ul> <li>scale and mealybugs, begin applications at early crawler emergence.</li> </ul>
leafhoppers mealybugs whiteflies	9. 0 - 12.0	0.56 - 0.75	

### Restrictions:

Limited to Florida, Hawaii and Puerto

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 69. oz. of this product per acre per year (3.02 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 21 days.

### Tropical; black sapote, canistel, mamey sapote, mango, papaya, sapodilia, star apple.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhoppers mealybugs scales	9.0 - 12.0	0.56 - 0.75	Apply a minimum spray solution of 20 gallons per acre by ground.
whiteflies	eoriusis,	(e)	For best results of

### Restrictions:

Limited to Florida, Hawaii and Puerto

Do not apply more than 5 applications per year.

The minimum spray interval is 14 days.

Do not use more than 45 oz. of this product per acre per year (1.97 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 3 days.

Tropical; longan, pulasan, rambutan, Spanish lime.

Pest	Rate	Rate	Application Instructions
continue of a state for	oz./acre	lb./acre	

scales	34.5	2.156	Apply a minimum spray solution of 75 gallons per acre by ground.
22/18	120	032101 	For best results of  scales, apply at early crawler emergence for best control.
Property a great	0 1755 2 19 58	191 FULL 1150 A	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.

sala sala aprili e e cara al vide de la la cara al vide de la cara al

TOTAL PORT OF THE WIND WITH A PROPERTY CARD STORY

### Restrictions:

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 69. oz. of this product per acre per year (3.02 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 21 days.

Ornamental Plants in greenhouses; lath and shadehouses; nurseries; landscape ornamentals; ground covers; field-and container-grown ornamentals; non-bearing fruit and nut trees and vines in

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhoppers	altanta maa	erate all an	Apply a minimum spray solution of 50 gallons per
mealybugs	12	0.75	acre by ground.
planthoppers	ASSESSED BY	The state of the	masofacti to profession of last a laborator of El
L	ed a magazara g	n testin	For best results, apply when populations level reaches economic threshold. Consult local and state agricultural authorities for specific details.  Apply in sufficient water to obtain complete, uniform coverage of all plant parts including stems and underside of leaves. Applications may be made with
	J. 30	$A \cdot (\mathbf{t}_D - \mathbf{t}_A) A$	high volume, low volume or ultra-low volume (thermal and non-thermal foggers, misters, etc.) ground equipment only. Follow the spray equipment manufacturer's directions to determine the amount of
*	15.	180 10 14	spray solution required to obtain thorough coverage.  Consult the spray equipment manufacturer's
pieda grapia in terra ocusalis	1 - 1011 - 1801 <b>2</b> 11 Charles - 17 - 18	the second services	operator's manual, spray nozzle catalogs and/or your crop advisor for more information.
scales		-	For optimum control of
ty ministrative in minde	14.0	0.875	<ul> <li>whiteflies, leafhoppers or planthopper, apply as soon as adult insects begin to appear.</li> </ul>
gradet tid zero aan wa	the SE Section	Latin - 18th	<ul> <li>scales, apply at early crawler emergence.</li> </ul>
THE THE THE PARTY	cariff of them	i de la la	<ul> <li>mealybugs, apply as soon as insect activity</li> </ul>
MAN C. T. T. T.	and the second of	destruction	is observed.
whiteflies	6.0	0.375	Good spray coverage is essential.

### Restrictions:

Do not apply more than 2 applications per growing cycle.

Do not use more than 28.0 oz. of this product per acre per growing cycle (1.23 lb. a.i. per acre per growing cycle).

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### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

PESTICIDE STORAGE: Store in original container in a cool, dry and secure location.
PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed on site or at an approved waste disposal facility.

[Plastic bottle packaging:]

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

[Fiber Drums with Liners:]

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into the handling or application equipment. Then offer for recycling if available, or dispose of liner in a sanitary landfill, or by incineration, or by burning, if allowed by state and local authorities. If burned, stay out of smoke. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

Batch Code:	THE STATE	The state of	intelligible in		39/3
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### WARRANTY DISCLAIMER AND NOTICE

### IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Aceto Agricultural Chemicals Corporation. To the extent consistent with applicable law all such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law. ACETO AGRICULTURAL CHEMICALS CORPORATION MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Aceto Agricultural Chemicals Corporation is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, ACETO AGRICULTURAL CHEMICALS CORPORATION DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT ACETO AGRICULTURAL CHEMICALS CORPORATION'S ELECTION, THE REPLACEMENT OF PRODUCT.

All trademarks are proprietary of their respective owners.

[Made in [Japan][China] [packaged in USA]. [Active ingredient made [and formulated] in [Japan][China], [formulated in USA] [and] [package in USA]].



## Fee for Service {1018794v~

This package includes the following  New Registration Amendment  Studies? Fee Waiver?  volpay % Reduction:	for Division  AD BPPD RD  Risk Mgr. 11
Receipt No. S- EPA File Symbol/Reg. No. Pin-Punch Date:	1018794 2749-LIT 4/17/2018
This item is NOT subject to  Action Code:  Requested: R300  Granted: R300  Amount Due: \$ 1580	Parent/Child Decisions:
Inert Cleared for Intended Use  Reviewer:   Remarks: CCC chand Nate 100% CR	Uncleared Inert in Product  Date: 4/24/18



DATE: 4/23/18	
FILE REG NUMBER: 2	749 EBATT
FEP (OPPIN ENTRY)	APR 2 3 2018
	(Initial & Date)
FILE ROOM:	
	(Initial & Date)
SIG:	
	(Initial & Date)
FILE ROOM:	
	(Initial & Date)
ASSIGN TO PM: AD RD_	// BPPD
JACKET TO SHELF	(DATA)

### To the Document Center (ITRMD)

\* Please transfer Jacket to the Product Manager team listed below:

Fungicide Branch	PM 21	PM 22
Fungicide Herbicide Branch	PM 20	PM 24
Herbicide Branch	PM 23	PM 25
Inerts Branch (IIAB)	PM 8	
Insecticide Vertebrate Branch 1	PM 3	PM4
Insecticide Vertebrate Branch 2	PM 10	PM 11)
Insecticide Vertebrate Branch 3	PM 1	PM 7
Minor Use Team	PM 5	

Reminder to PM- if applicable, please pick up data from screening room.

- Aswatting Bales	5/1/18	OK.
Team Member Signature	Date	

# 21-Day Screen Completed by Contractor

21-Day Expires on 5/8/18

Jacket # <u>2749-LIT</u> MRID# <u>n/a</u>

Content Screen: Recommend to Pass/Fail

11-3 Review: Pass/Fail/NA

Overall Status: Recommend to Pass Fail

Transfer This Jacket to:

Donna Davis

<sup>\*</sup>Product ingredient source information may be entitled to confidential treatment\*

# PRIA 3 – 21 Day Content Screen Review Worksheet (EPA/OPP Use Only) September 2012

21 Day Screen Start Date: 4/17/18	ember 2012
Experts In-Processing Signature:	MP Date 4/25/18 Fee Paid: Yes
Division management contacted on issues No	YesDate

	Items for Review			Yes	No	N/A*
1	Application Form (EPA Form 8570-1) signed & complete including package type			X		
•	Confidential Statement of Formula all boxes completed, form s dated (EPA Form 8570-4)	signed, a	nd	X		
2	a) All inerts, including fragrances, approved for the proposed uses (see Footnote A)  NA 1001. REPACK	yes	no			
3	Certification with Respect to Citation of Data (EPA Form 8570-34) completed and signed (N/A if 100% repack)					X
	Certificate and data matrix consistent					
	If applicant is relying on data that are compensable, is the offer to pay statement included. (see Footnote B)	yes	no			
	If applicable, is there a letter of Authorization for exclusive use of	nly.			Security Security 1999	
4	Formulator's Exemption Statement (EPA Form 8570-27) completed and signed (N/A if source is unregistered or applicant owns the technical)					X
	Data Matrix (EPA Form 8570-35) both internal and external copies (PR 98-5) completed and signed (N/A if 100% repack)					X
5	a) Selective Method (Fee category experts use)	yes	no			
	b) Cite-All (Fee category experts use)					
	c) Applicant owns all data (Fee category experts use)					
6	5 Copies of <u>Label</u> ( <u>Electronic labels on CD</u> are encouraged and guidance is available)		X			
7	Is the data package consistent with PR Notice 86-5					X
8	Notice of Filing included with petitions		= = 7			X

9	If applicable for conventional applications, reduced risk ra	ationale_	
	Required Data and/or data waivers. See Footnote C.	-0	
	a) List study (or studies) not included with application	t	
10	id .		
		7	

### Comments:

DOCUMENTATION: PASS

required forms are complete

Inorts: Pass

N/A 1001- REPACK , NO MORTS TO REVIEW.

PRN 11-3: PASS

NO STUPIES SUBMITTED

OVERALL STATUS: PASS

MX 4/50/5018

\* N/A - Not Applicable

### Footnotes

A. During the 21 day initial content review, all CSFs will be reviewed to determine whether all inerts listed, including fragrances, are approved for the proposed uses or have an application pending with the Agency. If an unapproved inert with no application pending with the Agency is identified, the applicant must either 1) resolve the inert issue by, for example, removing the inert, substituting it with an approved inert, submitting documentation that EPA approved the inert for the proposed pesticidal uses, correcting mistakes on the CSF, etc. or 2) provide the data to support OPP approval of the inert or 3) withdraw the application. Removing or substituting an inert ingredient will require a new CSF and may require submission of data. All information, forms, data and documentation resolving the inert issue must have been received by the Agency or the application withdrawn within the 21 day period, otherwise, the Agency will reject the application as described below.

To successfully complete this aspect of the 21 day initial content screen, applicants are strongly encouraged to verify that all inert ingredients have been approved for the application's uses or have an application pending with the Agency even if a product is currently registered by consulting the inert Web site and if the inert is not approved nor has an application pending with the Agency, to obtain the necessary inert approval prior to submitting an application to register a pesticide product containing that inert ingredient. Some inert ingredients are no longer approved for food uses or certain types of uses. The name and/or CAS number on a CSF must match the name and CAS number on this web site. Simple typographical errors in the name or CAS number have resulted in processing delays.

If an inert is not listed on the inert ingredient web site and the applicant believes that the inert has been approved, the applicant should contact the Inert Ingredient Assessment Branch (IIAB) at <a href="mailto:inertsbranch@epa.gov">inertsbranch@epa.gov</a> and resolve the issue. Copies of the correspondence with IIAB resolving the issue should accompany the application. All new inerts except PIP inerts are reviewed by IIAB. The IIAB should also be contacted for any questions on what supporting data needs to be submitted for and the Agency's inert review process. Questions on PIP inerts should be directed to the <a href="mailto:Chief of Microbial Pesticides Branch">Chief of Microbial Pesticides Branch</a>.

When a brand, trade, or proprietary name of an inert ingredient is listed on a CSF, additional information such as an alternate name of the inert, CAS number or other information must also be included to enable the Agency to determine if it has been approved. Each component of an inert mixture (including a fragrance) must be identified. In some cases, the supplier of the mixture or fragrance may need to provide this information to the Agency. Prior to the Agency's receipt of an application, applicants must arrange with a proprietary mixture or fragrance supplier to provide the component information to the Agency or promptly upon EPA's request. If the inert ingredients in a proprietary blend (including fragrances) cannot or are not identified or provided within the 21-day content review period, the Agency will reject the application.

During the 21 day content review, applicants should submit information to the individual identified by the Agency when the applicant is informed of an unapproved inert.

### **Unapproved Inerts Identified on CSFs**

### All applications except conventional new products and PIPs

Once an unapproved inert is identified on a CSF, the Agency will contact the applicant with the following options:

- Correct the application by, for instance, correcting the inert's identity or CAS
  number, providing documentation that the inert has been approved, or
  removing the unapproved inert from the CSF or replacing it with one that is
  approved for the application's uses; or
- 2. Provide the required information necessary to identify an inert approval application that is pending with the Agency; or
- Submit the information and data needed for the Agency to approve the unapproved inert. If this option is selected and implemented, the Agency may request an extension in the PRIA decision review timeframe to accommodate the inert review/approval process;
- 4. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of these options is selected and implemented by the applicant within the 21 day content review period, the Agency will reject the application and retain 25% of the full fee of the category identified.

### Conventional New Product Applications

When the Registration Division identifies an unapproved inert on a CSF with an application for a new product that the applicant has not identified as requiring an inert approval (R300 or R301), it will contact the applicant with the following options:

- Correct the application by, for instance, correcting the inert's identity or CAS
  number, providing documentation that the inert has been approved, or
  removing the unapproved inert from the CSF or replacing it with one that is
  approved for the application's uses; or
- 2. Submit the information and data needed for the Agency to approve the unapproved inert, including any required petition to establish or amend a tolerance or exemption from a tolerance. (This option may change the PRIA category for the application, which could require a longer decision review time and a larger fee. If additional fees are due, they must be received by the Agency within the 21 day content review period.)

3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of the above options is selected and implemented during the 21-day content-review period, the Agency will reject the application and retain 25% of the appropriate fee for the new product-inert approval category.

### PIP Applications

When the Biopesticide and Pollution Prevention Division identifies an unapproved inert on a PIP CSF and a request to approve the inert does not accompany the application, it will contact the applicant with the following options:

- 1. Correct the application by, for instance, correcting the spelling or name of the inert to that in 40 CFR 174, or providing documentation that the inert has been approved; or
- 2. Submit the information and data needed for the Agency to approve the unapproved inert. If an inert ingredient tolerance exemption petition is required, the petition must be received by the Agency and the B903 fee paid within the 21 day period. If this option is selected and implemented, the Agency will discuss harmonizing the timeframe for both actions.
- 3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of the above options is selected and implemented during the 21 day content review period, the Agency will reject the application and retain 25% of the fee.

- B. A policy on documentation of offers to pay is still being developed, however, for a me-too or fast track (similar/identical) new product, R300 or A530, an application without the necessary authorizations of offers to pay will be placed into either R301 or A531. The Agency recommends that authorizations of offers to pay be submitted with other PRIA applications to avoid delays in the Agency's decision.
- C. Biopesticide applicants are advised to contact the Agency and discuss study waivers prior to submitting their application to the Agency. Documentation of such discussions should be submitted with the study waiver.



### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

April 25, 2018

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

OPP Decision Number: D-540519

EPA File Symbol or Registration Number: 2749-LIT

Product Name: BUPROFEZIN 70WDG IGR

EPA Receipt Date: 17-Apr-2018 EPA Company Number: 2749

Company Name: ACETO AGRICULTURAL CHEMICALS CORP.

JOHN F. WRIGHT
PRODUCT & REGULATORY ASSOCIATES, LLC
REPRESENTING ACETO AGRICULTURAL CHEMICALS CORP.
8595 COLLIER BLVD. - SUITE 107-51
NAPLES, FL 34114

SUBJECT: Receipt of Registration Application Subject to Registration Service Fee

Dear Registrant:

The Office of Pesticide Programs has received your application and certification of payment. If you submitted data with this application, the results of the PRN-2011-3 screen will be communicated separately. During the administrative screen, the Office of Pesticide Programs has determined that this Action is subject to a Pesticide Registration Service Fee as defined in the Pesticide Registration Improvement Act.

The Action has been identified as Action Code: R300

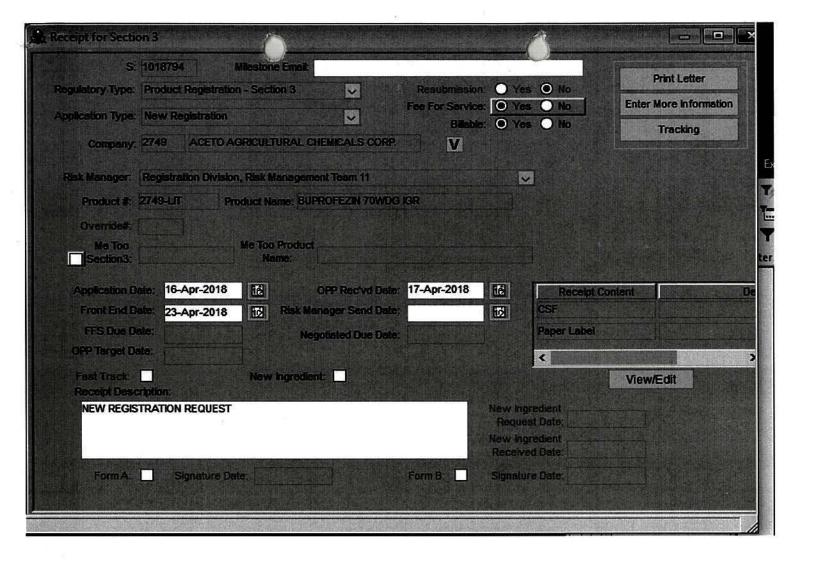
NEW PRODUCT; OR SIMILAR COMBINATION PRODUCT (ALREADY REGISTERED) TO AN IDENTICAL OR SUBSTANTIALLY SIMILAR IN COMPOSITION AND USE TO A REGISTERED PRODUCT; REGISTERED SOURCE OF ACTIVE INGREDIENT; NO DATA REVIEW ON ACUTE TOXICITY, EFFICACY OR CRP - ONLY PRODUCT CHEMISTRY DATA; CITE-ALL DATA CITATION, OR SELECTIVE DATA CITATION WHERE APPLICANT OWNS ALL REQUIRED DATA, OR APPLICANT SUBMITS SPECIFIC AUTHORIZATION LETTER FROM DATA OWNER; CATEGORY ALSO INCLUDES 100% RE-PACKAGE OF REGISTERED END-USE OR MANUFACTURING-USE PRODUCT THAT REQUIRES NO DATA SUBMISSION NOR DATA MATRIX;

No additional payment is due at this time. If you have any questions, please contact the Pesticide Registration Service Fee Ombudsman at (703) 347-0510.

Sincerely,

Front End Processing Staff

Information Technology & Resources Management Division



### John Wright

From:

notification@pay.gov

Sent:

Friday, April 13, 2018 3:31 PM

To:

jwrightch@comcast.net

Subject:

Pay.gov Payment Confirmation: PRIA Service Fees

Your payment has been submitted to Pay.gov and the details are below. If you have any questions regarding this payment, please contact Michael Yanchulis at (703) 347-0237 or yanchulis.michael@epa.gov.

Application Name: PRIA Service Fees Pay.gov Tracking ID: 26919IA4 Agency Tracking ID: 75465539732

Transaction Type: Sale

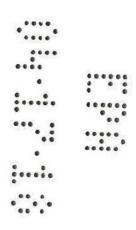
Transaction Date: 04/13/2018 03:30:35 PM EDT

Account Holder Name: Fred Trudwig Jr

Transaction Amount: \$1,582.00 Card Type: AmericanExpress Card Number: \*\*\*\*\*\*\*\*\*2002

Registration Number: Company Name: Aceto Ag Company Number: 2749 Action Code: R300

THIS IS AN AUTOMATED MESSAGE. PLEASE DO NOT REPLY.



### John Wright

From:

notification@pay.gov

Sent:

Friday, April 13, 2018 3:31 PM

To:

jwrightch@comcast.net

Subject:

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**Application Name: PRIA Service Fees** Pay.gov Tracking ID: 26919IA4 Agency Tracking ID: 75465539732

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Action Code: R300

THIS IS AN AUTOMATED MESSAGE. PLEASE DO NOT REPLY.



